

## **Al Mohaideb Park Inclusive Playground**

### **Al khabar, Saudi Arabia**

The following is an itemized review of the inclusive play elements in the Al Mohaideb Park Inclusive Playground located in Al khabar, Saudi Arabia created Landscape Structures, Inc. and presented by Play Saudi, Inc. (#108004-1-1). This playground is designed for children of all abilities to play, learn and grow together.

### **OVERALL PLAYGROUND SITE**

It is important for ALL children to have a variety of sensory experiences for healthy development. These include experiences that involve movement (vestibular system), climbing (proprioceptive system), and a mix of tactile, visual, and auditory experiences.

The playground is located in a large community park space. It includes green field areas, football field, and a picnic table area. This playground will add a wonderful inclusive play area that all visitors will be able to access. The playground also located near two centers for children with special needs; one that supports children with Down syndrome and another that supports children with autism. This will be a great playground where all children will be able to play together.

The proposed surfacing is a unitary surfacing that ensures maximum access for all while providing safety for all children. This ensures that those using any type of mobility device will have access to all the inclusive playground elements throughout the whole playground.

Besides the picnic table area adjacent to the playground, visitors will also find an assortment of benches throughout the playground. These seating options provide a great place for families to have a meal together or take a break while they play.



There is a shading system that will cover the whole playground. Shade is important for all who play so that they do not experience sun or heat exposure while at the park. For some children with disabilities this shade will make the difference between their being able to play or not play. Their medical condition or medications may limit how long they can be in direct sunlight or high heat.

The following is an itemized table of the different play elements within the playground and their benefits for children of varying abilities.

## 6 MONTH TO 5 YEAR OLD PLAY AREA

Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
Smart® Play Nook	Visual Auditory Vestibular Proprioception Tactile	Agility Balance Fine Motor Endurance Eye-Hand Coordination Motor Planning Core, Upper and Lower Body Strength	Problem Solving	Cooperation Social Skill Development Imaginative Play	<p>The Smart Play Nook includes 20 interactive activities addressing developmentally-appropriate skills: Flower Panel, Flower/Leaf Spinners, Flower Marbles, Balance Rail on Front Fence, Front Step, Doorbell, Fruit Basket Panel, Side Step, Window, Mirror, Numbers Panel, Alphabet Panel, Table with Seats, Shape Sliders, Balance Rail on Back Fence, Rabbit Slider, Climber, Flower/Bee Spinners, Music Notes Panel, Bells. It will keep children ages 6 -23 months old engaged for hours as they explore all these activities that will help them develop their body, mind and social skills during play.</p>






Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p data-bbox="138 215 541 240"><b>Molded Bucket Seat 2-5 yr old</b></p> 	<p data-bbox="562 248 810 370">Vestibular + Proprioception Tactile Visual</p>	<p data-bbox="831 248 1033 440">Balance Coordination Motor Planning Core, Lower &amp; Upper Body Strength</p>	<p data-bbox="1075 248 1188 310">Problem Solving</p>	<p data-bbox="1293 248 1474 407">Cooperation Social Skill Development Imaginative Play</p>	<p data-bbox="1524 248 1959 440">The vestibular system has opportunities for development through the swings found on the playground. Children will have a whole lot of fun exploring the pull of gravity as they swing.</p> <p data-bbox="1524 475 1953 699">This Molded Bucket Seat Swing with Harness is design specifically for younger children. The design of this swing provides additional supports for children who might need additional trunk support while they swing.</p>
<p data-bbox="138 792 541 816"><b>TuffRiders® Motorcycle Rider</b></p> 	<p data-bbox="562 824 810 919">Vestibular Proprioception Tactile</p>	<p data-bbox="831 824 1033 1049">Balance Eye-Hand Coordination Motor Planning Core, Upper and Lower Body Strength</p>	<p data-bbox="1075 824 1188 886">Problem Solving</p>	<p data-bbox="1293 824 1474 984">Cooperation Social Skill Development Imaginative Play</p>	<p data-bbox="1524 824 1959 1049">The TuffRider Motorcycle Spring Rider encourages children to rock back and forth together. The motorcycle design helps foster pretend play among younger children as children ride off into their imagination.</p>



Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<b>Cozy Dome®</b>				<p>For those children who want to get away from what is happening on the playground they can hang out at the Cozy Dome. The Cozy Dome is a special climber that can also be used as a get-away place for children who want a break from all the sights and sounds of the playground. If this is the case, children can choose to hide out in the Cozy Dome to get away from all the activity. This unique climber is the perfect mix of a fun climber with round openings for hand and foot placement as well as a cozy place for children to escape to observe others playing. These openings also provide good line of site for parents who want to keep track of their children.</p>	
	Vestibular Proprioception Tactile	Balance Coordination Core, Lower and Upper Body Strength	Problem Solving	Cooperation Social Skill Development Imaginative Play	

## 5-12 YEAR OLD AREA



Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p><b>Sway Fun® Glider</b></p>					<p>The Sway Fun provides a social gathering point where children can rest and still play. Together children can make the Sway Fun move providing them with vestibular input. The placement of the table in this element is a key component of its design. This creates an opportunity for children using wheelchair to actively participate in creating movement of the Sway Fun. There is plenty of room for all children to play together and go for a ride.</p>
<p><b>Roller Table</b></p> 	<p>Vestibular Proprioception Tactile Auditory</p>	<p>Balance Coordination Motor Planning</p>	<p>Problem Solving</p>	<p>Social Skill Development</p>	<p>The Roller Table is set at a height that allows easy transfer out of a wheelchair onto the table. The rollers provide a child with a unique tactile and auditory experience while the upper bars encourage children to build upper body strength and motor coordination to roll across the table.</p>



Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p><b>Elevated Sand Table</b></p> 	<p>Tactile Proprioception Visual</p>	<p>Eye- Hand Coordination Fine Motor Motor Planning</p>	<p>Problem Solving Strategic Thinking</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>Sand play is a key tactile experience for children of all ages. This playground includes a Sand Play Area with an assortment of sand play experiences. The Elevated Sand Table allows for easy roll up access from the sidewalk along with easy walk up access from the sand pit side. This encourages children to socialize and cooperate while they play in the sand, moving it from one area of the table to another</p>
<p><b>Rollerslide</b></p> 	<p>Vestibular Proprioception Tactile Auditory</p>	<p>Balance Coordination Motor Planning</p>	<p>Problem Solving</p>	<p>Social Skill Development</p>	<p>The Roller Slide provides a tactile and auditory experience while children slide. It is wide enough for children to slide down together.</p> <p>The rollers eliminate any possible static electric build-up which allows children with cochlear implants to use the slide without fear of static electricity discharging into their hearing device.</p>



Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<b>OmniSpin® Spinner</b>					<p>The OmniSpin Spinner is a great place for a group of children of all abilities to explore movement together. The OmniSpin Spinner is an updated version of the traditional merry-go-round. It is designed so that children using wheeled mobility devices can transfer or be transferred out of their devices and enjoy the rotation that come from a merry-go-round experience. This element encourages social play by all children as riders and pushers cooperate to make this a fun vestibular experience for every child. Those pushing their friends in the spinner get to work on motor planning and coordination through the proprioceptive receptors in their muscles and joints.</p>
	Vestibular+ Proprioception	Balance Core Body Strength Lower Body Strength	Problem Solving	Cooperation Social Skill Development Imaginative Play	



Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p><b>40" Single Poly Slide</b></p> 	<p>Vestibular Proprioception Tactile</p>	<p>Balance Coordination Motor Planning</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>This Single Slide provides children with a fast rush back down to earth. It fully engages the child's vestibular system as they race back to the ground to join their friends in play.</p>
<p><b>Sensory Play Center®</b></p>				<p>The Sensory Play Center encourages children to explore the textures of the world. The panels within the Sensory Play Center help children focus on specific senses thru play. In this playground the panel focuses on visual, tactile, and auditory play. Many children with autism and sensory processing disorders will find this a great area to help them re-organize their nervous system so that they can re-engage in play with other children on the playground.</p>	
<p>Vestibular Proprioception Tactile</p>	<p>Eye-Hand Coordination Fine Motor Motor Planning</p>	<p>Problem Solving Strategic Thinking</p>	<p>Cooperation Social Skill Development Imaginative Play</p>		







Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p><b>KaleidoSpin Panel</b></p> 	<p>Visual Tactile Proprioception</p>	<p>Fine Motor Eye-hand Coordination Motor Planning</p>	<p>Problem Solving Strategic Thinking</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The KaleidoSpin Panel encourages children to explore visual patterns in the world around them. Children control what they see and how quickly it changes by spinning the view finder on the panel.</p> <p>The rotation of the view finder builds fine motor skills and eye-hand coordination as they change the orientation of the images they see while playing with this fun panel. The design encourages social engagement as children view each other through the view finder.</p>
<p><b>Color Splash Panel</b></p> 	<p>Visual Proprioception Tactile</p>	<p>Eye-Hand Coordination Fine Motor Motor Planning</p>	<p>Problem Solving Strategic Thinking</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The Color Splash Panel engages children in color identification while they play. They learn that they can control the location of different colors on the wheel as they spin the wheel using the knob handle. An assortment of games can be created to support color play.</p>



Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p><b>Marble Panel</b></p> 	<p>Visual Proprioception Tactile Auditory</p>	<p>Eye-Hand Coordination Fine Motor Motor Planning</p>	<p>Problem Solving Strategic Thinking</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The Marble Panel encourages children to explore numbers, colors and light. Children can roll the marbles within the panel to engage their sense of touch, hearing and vision while they play with the marbles.</p>
<p><b>XyloFun Panel®</b></p> 	<p>Visual Tactile Auditory Proprioception</p>	<p>Fine Motor Eye-hand Coordination Motor Planning</p>	<p>Problem Solving Strategic Thinking</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The XyloFun Panel builds on the sound exploration that happens on the Bongo Panel. This panel provides a range of musical notes that children can play and recreate their favorite childhood songs.</p>



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<p><b>AlphaMaze Panel</b></p> 	<p>Tactile Auditory Proprioception</p>	<p>Fine Motor Eye-hand Coordination Motor Planning</p>	<p>Problem Solving Strategic Thinking</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>This pair of panels encourages children to learn by using their fingers. One side allows them to explore letters, numbers and shapes, while the other side is maze that builds problem solving skills as children use their fingers to walk through the maze.</p>
<p><b>7 Post Netplex® with Skyport Climber</b></p> 	<p>Visual Vestibular+ Proprioception Tactile</p>	<p>Agility Balance Cardiovascular Coordination Endurance Flexibility Motor Planning Core, Lower &amp; Upper Body Strength</p>	<p>Problem Solving Strategic Thinking</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The Netplex Climber challenges children to constantly respond to their own movements as well as the movement of other children climbing on the net. This improves their balance, flexibility and motor coordination. The subtle movements of the net help build overall core trunk muscle strength. Children are challenged to climb in an infinite number of ways as they move up, down and all around this unique net climber. The Skyport Climber allows children to climb up the center of the climber or along the support netting. It includes latex-free rubber landings where children can rest at different levels in the structure.</p>

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<p><b>Lolliladder</b></p> 	<p>Vestibular Proprioception Tactile</p>	<p>Agility Flexibility Coordination Core and Upper Body Strength Motor Planning</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The Lolliladder builds upper body and core trunk strength as children swing their way from one side to the other. The design requires them to move their arms reciprocally (alternating each arm) to reach the other side.</p>
<p><b>RushWinder Slide</b></p> 	<p>Vestibular + Tactile Proprioception</p>	<p>Balance, Coordination Motor Planning</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The RushWinder Slide provides a fun exit from the Netplex area. It activates a child's vestibular system as they fly twisting and turning back down to earth to play with their friends.</p>



Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p><b>Overhead Trekker™ Ladder</b></p> 	<p>Vestibular + Proprioception Tactile</p>	<p>Agility Coordination Flexibility Motor Planning Upper &amp; Core Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The Overhead Trekker Ladder challenges children's upper body strength and coordination as they swing their way around the curved ladder.</p>
<p><b>Boogie Board</b></p> 	<p>Vestibular+ Proprioception Tactile Visual</p>	<p>Agility Balance Coordination Endurance Motor Planning Core and Lower Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The Boogie Board provides children with a unique play feature that will challenge every child's sense of balance. Children can sit, stand or lay on the Boogie Board during play. It is often a gathering point for children to hang out together.</p>


Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p><b>TightRope™ Bridge</b></p> 	<p>Vestibular+ Proprioception Tactile Visual</p>	<p>Agility Balance Coordination Flexibility Motor Planning Core, Upper and Lower Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The TightRope Bridge provides children with a fun balance challenge with some upper body support while they move across the rope and manage the moving spheres along the rope. Children often race each other on this element to see who can cross it the quickest.</p>
<p><b>Blender™ Spinner</b></p> 	<p>Vestibular+ Proprioception Tactile</p>	<p>Balance Flexibility Upper and Core Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The Blender Spinner provides children with many different ways that they can spin alone or together. It allows them to give their muscles a break after their climb through the Netplex Structure and gives their vestibular system a bit of a playful spin.</p>



Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p><b>Gyro Twister® Spinner</b></p> 	<p>Vestibular + Proprioception Tactile</p>	<p>Balance Flexibility Core and Upper Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The Gyro Twister spinner provides children with many different ways that they can spin and rotate alone or together. It allows them to give their muscles a break after their climb through the Netplex Structure and gives their vestibular system a bit of a playful spin.</p>
<p><b>Cozy Dome®</b></p> 	<p>Vestibular Proprioception Tactile</p>	<p>Balance Coordination Motor Planning Core, Upper and Lower Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>For those children who want to get away from what is happening on the playground they can hang out at the Cozy Dome. The Cozy Dome is a special climber that can also be used as a get-away place for children who want a break from all the sights and sounds of the playground. If this is the case, children can choose to hide out in the Cozy Dome to get away from all the activity. This unique climber is the perfect mix of a fun climber with round openings for hand and foot placement as well as a cozy place for children to escape to observe others playing. These openings also provide good line of site for parents who want to keep track of their children.</p>

Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p><b>Molded Bucket Seat</b></p> 	<p>Vestibular + Proprioception Tactile Visual</p>	<p>Balance Coordination Motor Planning Core, Lower &amp; Upper Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The vestibular system has opportunities for development through the swings found on the playground. Children will have a whole lot of fun exploring the pull of gravity as they swing.</p> <p>This Molded Bucket Seat Swing with Harness is design specifically for older children. The design of this swing provides additional supports for children who might need additional trunk support while they swing.</p>
<p><b>TuffRiders® Rhino-Dino Rider</b></p> 	<p>Vestibular Proprioception Tactile</p>	<p>Balance Eye-Hand Coordination Motor Planning Core, Upper and Lower Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The TuffRider Rino-Dino Rider encourages children to rock back and forth together. The Rino-Dino design helps foster pretend play among younger children.</p>



Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<p><b>TuffRiders® 2 Seat Airplane Rider</b></p> 	<p>Vestibular Proprioception Tactile</p>	<p>Balance Eye-Hand Coordination Motor Planning Core, Upper and Lower Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The TuffRider 2 Seat Airplane Rider encourages children to rock back and forth together. The airplane design helps foster pretend play among younger children as children ride off into their imagination.</p>
<p><b>TuffRiders® Cow Rider</b></p> 	<p>Vestibular Proprioception Tactile</p>	<p>Balance Eye-Hand Coordination Motor Planning Core, Upper and Lower Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	<p>The TuffRider Cow Rider encourages children to rock back and forth together. The cow design helps foster pretend play among younger children.</p>

Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<b>Oodle Swing</b>					<p>The Oodle Swing is designed to encourage social play while swinging. A child can easily transfer from a mobility device into the Oodle Swing and its shape allows children to sit or lay together in different ways while providing support.</p> <p>The Oodle Swing's larger size allows adults and children to swing together. Cooperative play is needed to make the swing go, encouraging children of all abilities to work together to swing.</p>
	Vestibular + Proprioception Tactile	Balance Coordination Motor Planning Core, Lower and Upper Body Strength	Problem Solving	Cooperation Social Skill Development Imaginative Play	

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<p><b>ZipKrooz Assist</b></p> 					<p>The ZipKrooz Assisted provide every child with the chance to fly! The design allows children to experience fast linear movement forward and backward thru space.</p> <p>The ZipKrooz Assisted includes a molded bucket seat with harness that gives every child a secure seating option to experience the ride.</p>
	<p>Vestibular + Proprioception Tactile</p>	<p>Agility Coordination Motor Planning Core and Upper Body Strength</p>	<p>Problem Solving</p>	<p>Cooperation Social Skill Development Imaginative Play</p>	

Element	Sensory Systems Engaged	Motor Skills	Cognitive Skills	Social Skills	Narrative
<b>We-Saw™</b>				<p>The We-Saw provides children with movement up and down in space. Children can find the “just right” movement experience by sitting in the molded seats or on the center platform. Both seating options provide varying degrees of support that can be used as children need or want to engage in movement.</p> <p>The design allows for two children or a group of children to join in the We-Saw experience. The seats are large enough to accommodate teens and adults allowing the experience to become a true group hangout.</p>	
	Vestibular + Proprioception	Balance Motor Planning Core, Upper and Lower Body Strength	Problem Solving	Cooperation Social Skill Development Imaginative Play	

## CONCLUSION

Overall, this playground has many opportunities for play for any child regardless of their medical diagnosis. Children will find their “just right” fit on this playground as it is designed to support their physical, sensory and cognitive needs while it provides them with a world of fun to acquire new skills in all these areas. It offers them with great space to work on their socialization and self-esteem as they walk, run, roll, slide, climb, swing and spin together at the Al Mohaideb Park Inclusive Playground!

Respectfully Submitted,

A handwritten signature in black ink that reads "Ingrid M. Kanics, OTR/L". The signature is written in a cursive style with a large initial 'I' and 'K'.

Ingrid M. Kanics, OTR/L, FAOTA  
Kanics Inclusive Design Services, LLC