



Rain Drop



**Inclusive
Aquatic Play**



Inclusive Aquatic Play

For Rain Drop Products, inclusive aquatic play means more than compliance with the Americans with Disabilities Act and universal design. Rain Drop takes it further by providing a meaningful multi-sensory experience for children of all abilities. Rain Drop is leading the industry in innovative solutions to make aquatic play inclusive and fun for everyone.



Taking a Deeper Look

To make projects and products more inclusive, Rain Drop considers two key factors in all of its designs:

- Designing features to provide both cognitive and sensory interactive experiences for children of all ages and abilities.
- Configuring spraygrounds and waterparks in ways that encourage typically developing children to play with peers who may have different needs or abilities.



Water Play Sensory Experiences

Tactile

Sense of touch is highlighted by the use of:

- Aerated, solid and broken streams of water that create continual and/or intermittent tactile feedback
- Multi-textured features that ensure maximum tactile feedback including rough, smooth, soft and hard surfaces



Visual

Visual curiosity can be increased by the following:

- Movement of water features
- Features with bold and high contrast color
- Meaningful and familiar themes and shapes
- Interactive LED lights



Auditory

Sense of sound is highlighted through the use of:

- Sounds of splashing and running water
- Features with built-in, customized sound effects



Proprioceptive

Sense of movement/spacial orientation is facilitated by:

- Water sprays from different directions
- Buttons, wheels and moving parts
- Varying degrees of water pressure in spacial increments



Vestibular

Sense of balance is highlighted by:

- Choreographed watermovements
- Overhead spinning features
- Cause and effect feature interaction



Developmental Design

Aquatic play can be instrumental in developing a child's experiential learning. New life events through aquatic play creates fun and an excitement for learning.

Cause and Effect - Simply refers to the relationship between an action and its outcome. Aquatic play is an excellent medium to explore with cause and effect play and appeals to children's natural curiosity.

Imaginative Play - Whether they are a pirate aboard a ship or an archaeologist preparing for a dig, imaginative play is essential to the cognitive development of children. Rain Drop has the ability to produce custom theming to that allows kids to explore their imagination.

Physical Play - Encompasses anything that motivates children to exert energy and movement. Creating choreographed water flows encourages children to move through the sprayground and be more physically active.

Social Interaction - One of the most critical aspects of experiential learning is social interaction. Sharing new and exciting events with peers is essential, and Rain Drop's spraygrounds facilitate social interaction between children of all abilities.





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