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Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.

This course is registered with **AIA**


AIA
Continuing
Education
Provider

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Course

Description

Play is a hugely important but often overlooked requirement of education. Children learn how to adapt and problem solve through interactive play. Learners kindergarten-age and younger are still physically developing in areas that include proprioception and their vestibular systems. Active play enhances the development of these senses. Active play also has multiple health benefits for students and acts as an outlet for physical and psychological stress. The benefits of active play need to be available to all students. Traditional playground structures often ignore students who are unable to participate in activities that don't account for different human mobilities. The program is designed to help attendees understand different tactics for creating inclusive play for all stakeholders. Play elements extend beyond the structures created for playgrounds. Participants will learn how the ground surface can create limitless avenues for accessing the playground. During the presentation, they'll create scenarios for all children to participate in joint play vs parallel play.




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Learning Objectives

At the end of this course, participants will be able to:

1. Understand the various ground covering options for playground structures.
2. Identify the available inclusive playground equipment elements and how to incorporate these elements into new and existing playground structures.
3. Learn how to create playground environments that promote inclusive play.
4. Understand the different types of play that can occur on inclusive playgrounds and the health benefits they provide to kids.



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Introductions



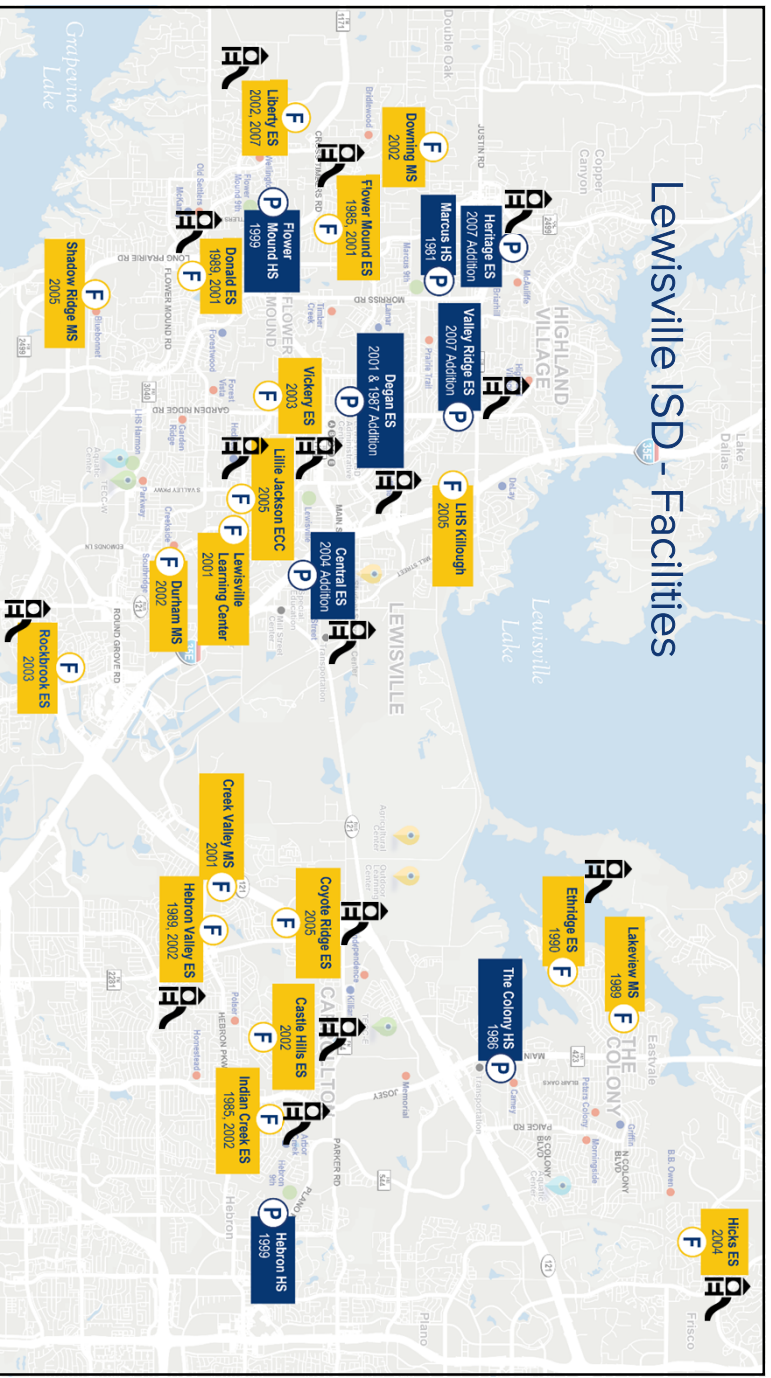
Tania Caudill, AIA
Director of Planning and Construction
Management, Lewisville ISD



Corrie Hood, RA
Principal, Huckabee



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LISD Profile

More than 48,000 Students

127 square miles - one of the largest footprints in DFW

Top 20 largest district in the state, Top 100 in the nation

79 sites containing approx. 10 million sq. ft.

- 39 Elementary Schools
- 15 Middle Schools
- 10 High School level campuses
- 2 Career Centers
- 1 Learning Center
- 1 Early Childhood Campus
- 2 Aquatic Centers
- 5 Stadiums, multiple athletic, and support buildings



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The Importance of Play



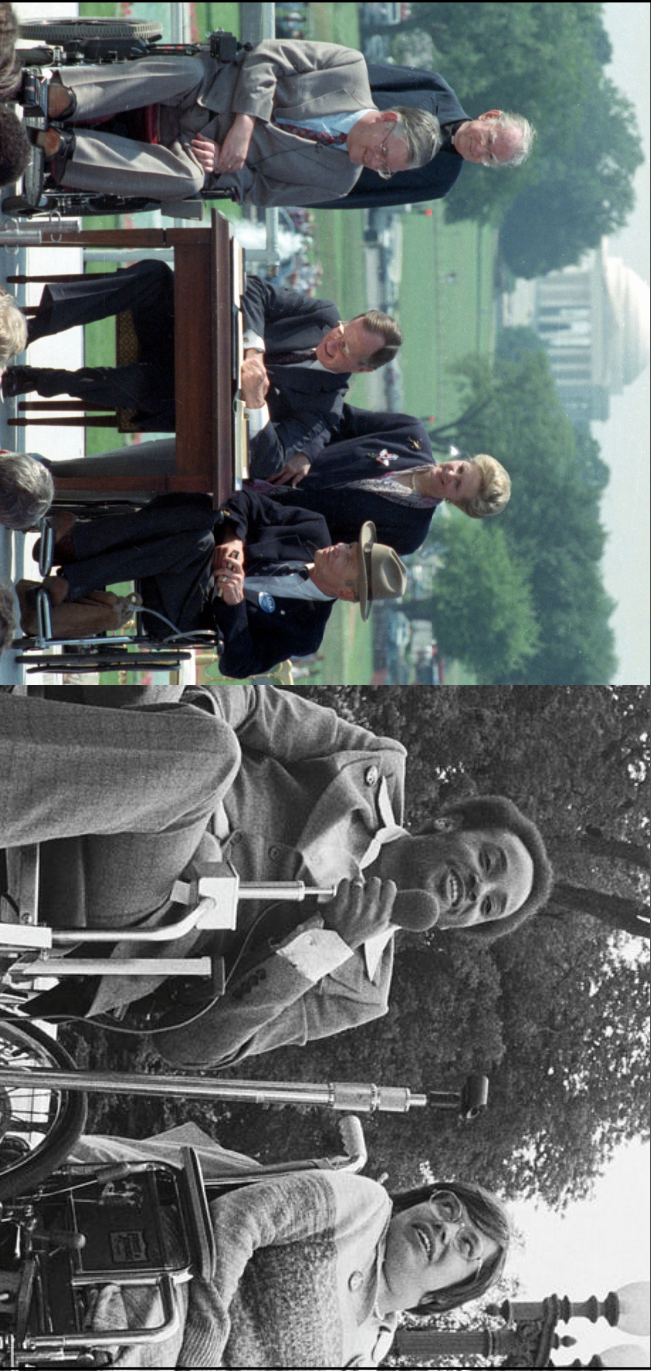
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Traditional Playground



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Americans with Disabilities Act of 1990



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Universal Design

- Access for all, regardless of abilities
- Account for the diverse perspectives and backgrounds of users. Include users from different ethnicities, genders, and/or with cultural differences, varying language abilities and preferences, and more.

Exclusion

Segregation

Integration

Inclusion

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7 Principles of Universal Playground Design

- 1**

Equitable Use
- 2**

Flexibility in Use
- 3**

Simple & Intuitive Use
- 4**

Perceptible Information
- 5**

Tolerance of Error
- 6**

Dignity & Self Esteem
- 7**

Stress Management

Huckabee + LISD

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7 Principles of *Inclusive* Playground Design

- 1 Be Fair
- 2 Be Included
- 3 Be Smart
- 4 Be Independent
- 5 Be Safe
- 6 Be Active
- 7 Be Comfortable

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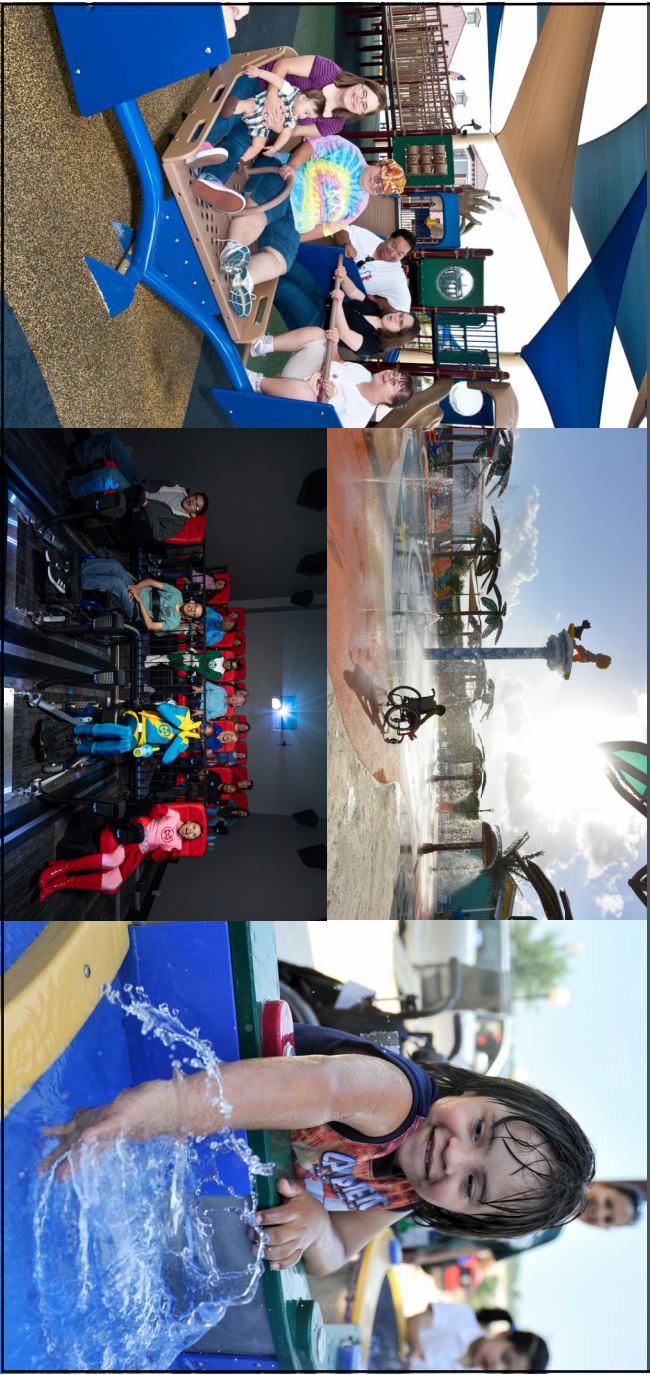
7 Principles of Universal Playground Design

Tailoring the Principles Uniquely Aligned for Outdoor Play and Recreation Environments	
<p>Principles of Universal Design Center for Universal Design NC State University</p>	<p>7 Principles of Inclusive Playground Design Institute for Disability Research, Policy & Practice Utah State University</p>
Equitable Use	Be Fair
Flexibility in Use	Be Included
Simple & Intuitive Use	Be Smart
Perceptible Information	Be Independent
Tolerance for Error	Be Safe
Low Physical Effort	Be Active
Size & Space for Approach & Use	Be Comfortable



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Morgan's Wonderland



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Neurodivergence

- Encourage play-based approaches that support social participation, develop relationships, and cultivate motor skills
- When a narrow skill set is expected or required by the built environment or program to participate, it often creates physical, psychological, and/or social barriers.
- Include a multigenerational approach

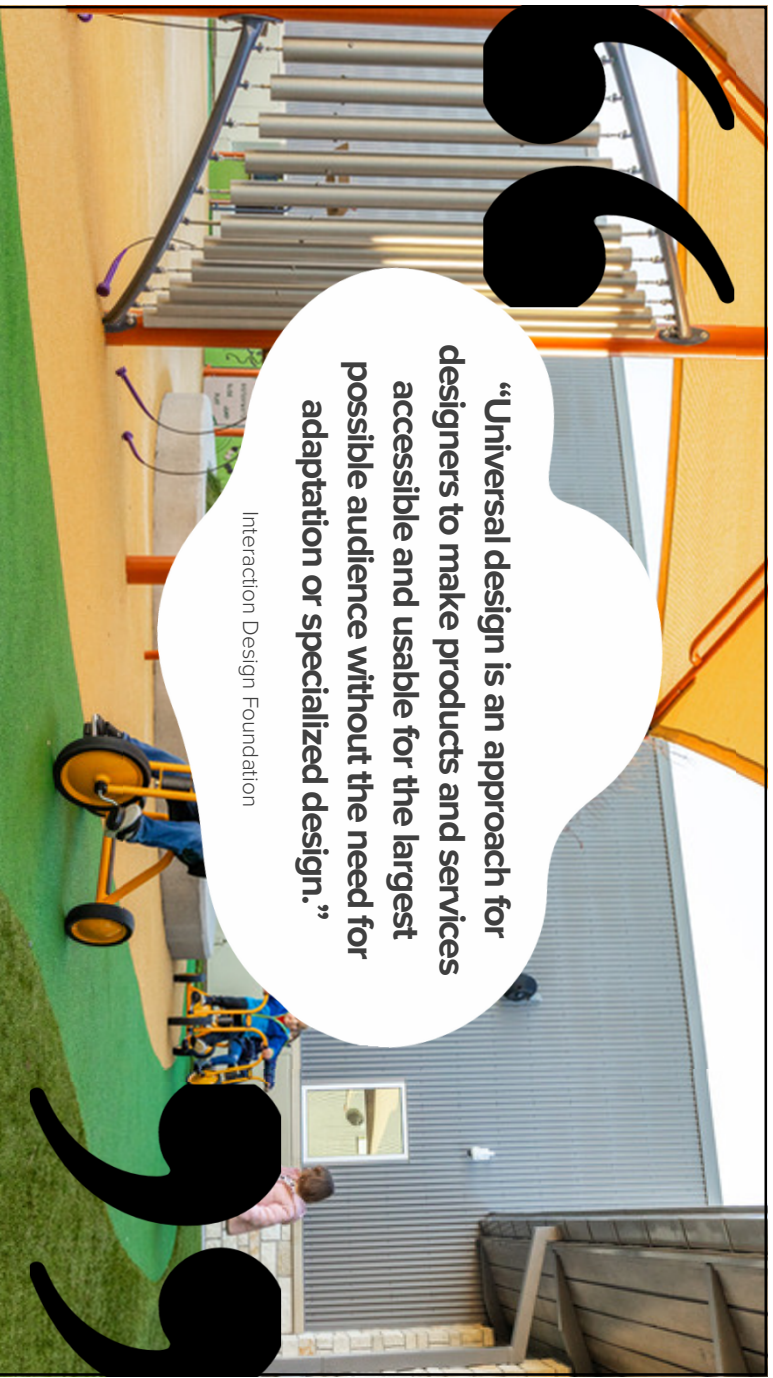
16

6 Principles of Trauma Informed Design

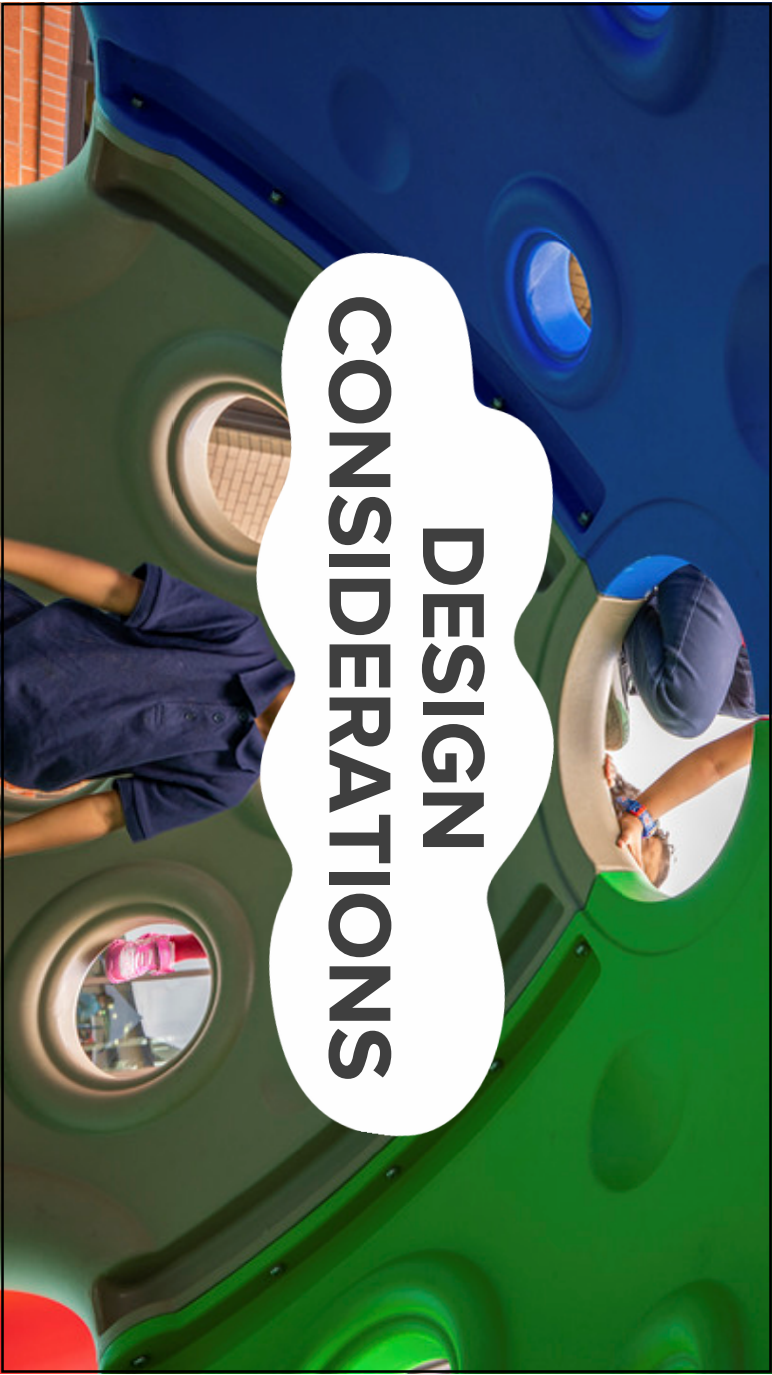
- 1 Empowerment & Personal Care
- 2 Security, Privacy, & Personal Space
- 3 Sense of Community
- 4 Beauty & Meaning
- 5 Dignity & Self Esteem
- 6 Stress Management

Huckabee + LISD

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ca0

- Access is provided, but not universal. Goal should be access for all at all entry points.
- Consider ease of moving beyond a single piece of equipment
- Loose material requires maintenance to remain accessible



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Multiple walkways and points of access.

22

Slide 21

ca0 similar entry to a stage, everyone can get an award at the same access point..
caudiltt@lisd.net, 2024-09-24T20:37:32.941

ca0 0 ADA swings and belt swings are allowed in same space.
caudiltt@lisd.net, 2024-09-26T20:48:23.820



23

- Turf texture is more like grass without the risk of mud.
- Navigable for legs and wheels.
- Turf ground covering has greater stability.



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26



27



- CONSIDER**
- Size
 - Inclusive Play
 - Material
 - Safety
 - Accessible Bridges
 - Variety
 - Flexibility
 - Location

28

Slide 28

ca0 LSD used a 16'-0" eave height to avoid vandalism.

caudiltk@lisd.net, 2024-09-24T20:52:56.948

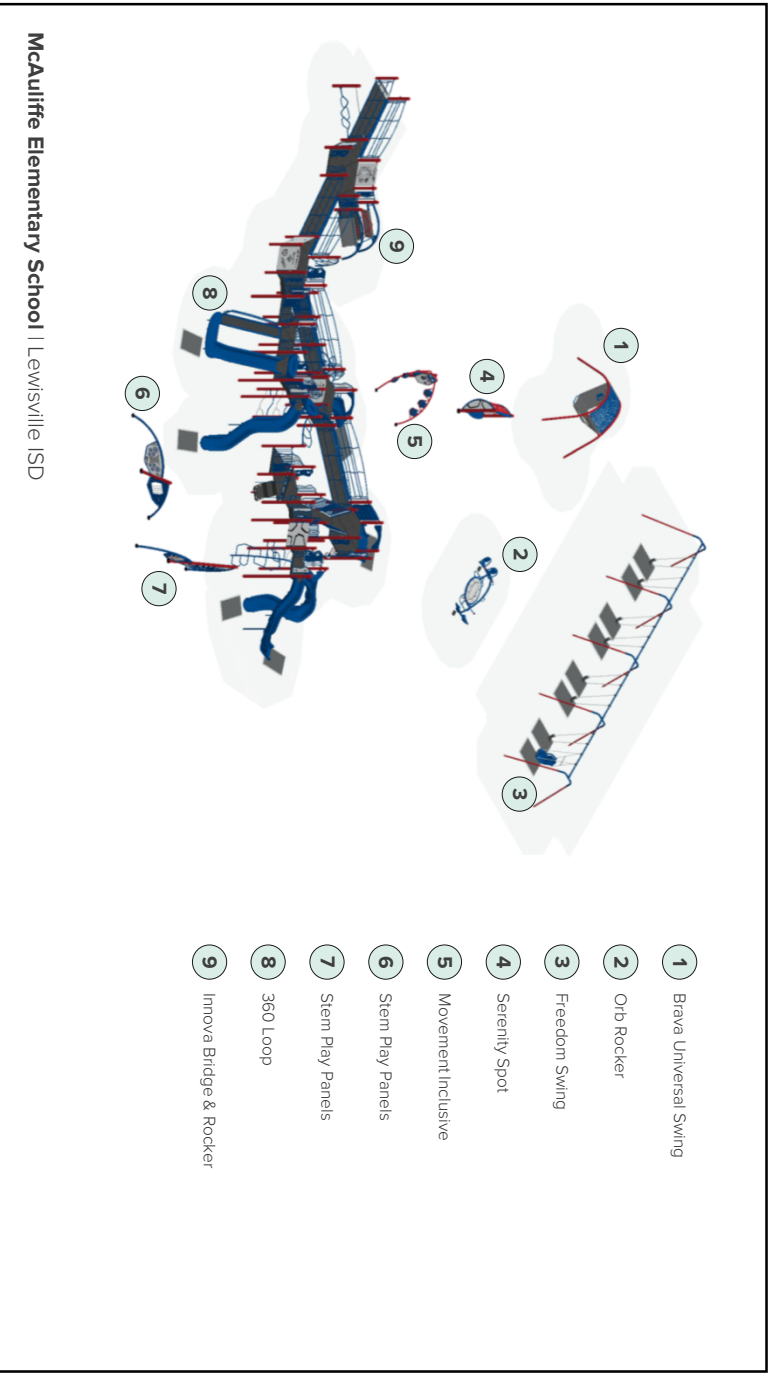
CH0 0 eaves on shades?

Corrie Hood, 2024-09-24T21:35:41.922

ca0 1

yes!

caudiltk@lisd.net, 2024-09-26T20:03:57.587



29



30

Slide 30

CH0 @caudilt@lisd.net Love this!

Corrie Hood, 2024-09-24T21:36:35.969

ca0 0 Thank you! :)

caudilt@lisd.net, 2024-09-26T20:03:27.149



BRAVA SWING SET

- Allows for independent transfer
- Tool for children on the Autism spectrum to freely express stimming behaviors such as rocking while participating in the natural movement of the swing.
- Creates an equitable and accessible environment for all children to be part of the action with their peers, family members and caregivers.

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ORB ROCKER

- Provides place for hands and feet and a side entrance that allows all users to enter and ride comfortably.
- Helps children develop socially, emotionally physically and cognitively all while having fun and getting exercise.

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FREEDOM SWING

- Ergonomically designed seat provides greater stability, security and comfort for kids with limited core and upper-body strength.
- Safety harness is easy to lift and secure with a latch mechanism.

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SERENITY SPOT

- A fort-like environment that offers special features such as a kick flap, objects to manipulate and a mirror to help see and express emotion.
- Allows children to express themselves freely and provide an outlet for stimming behaviors of children on the ASD spectrum.
- Enhances and encourages intergenerational play with spaces for children and caregivers to sit and interact.

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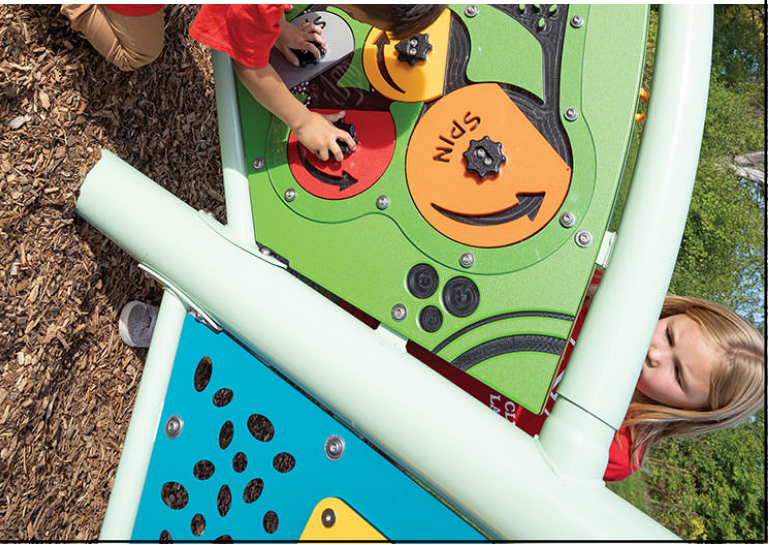
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MOVMENT INCLUSIVE

- Offers the opportunity for socialization and cooperation within a child-directed setting.
- People-powered.
- Fosters intergenerational engagement when children and adults play together and helps kids get more time at the playground when parents or caregivers participate in play.

STEMPLAY

- Children learn best through play.
- Science & Engineering outdoors.
- Parallel Play.



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360 LOOP

- This transfer, climber, slide combination allows for children of all abilities to have control over their play experience and be able to play and move independently.
- Transferring onto the climber, kids can climb however they are comfortable using their upper bodies or legs to work their way to the top before they come down the slide.

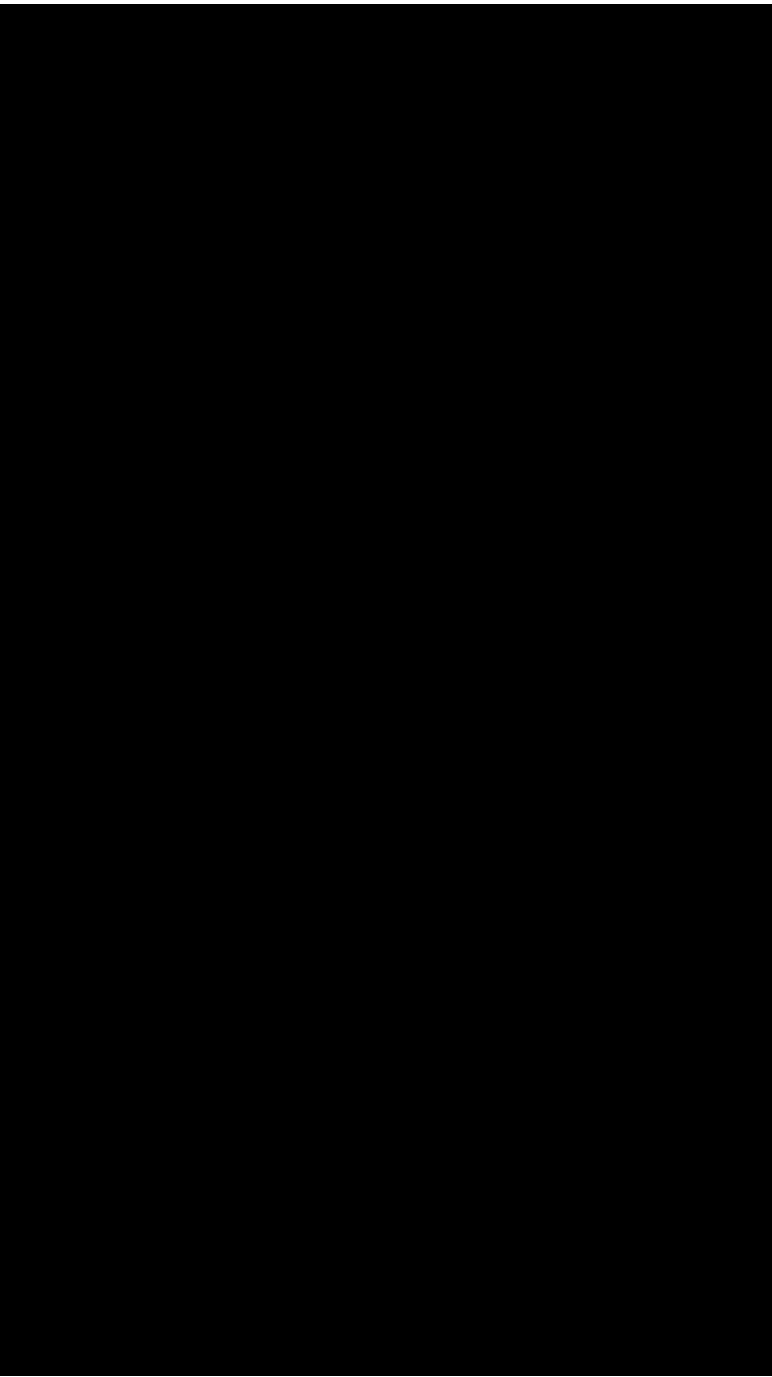
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INNOVA BRIDGE & ROCKER

- Provides rocking and socialization options for children of all abilities and doesn't require a transfer from a mobility device.
- Brings equity to the playspace and promotes inclusivity by providing options for children of all abilities to have the same experience on the playground.

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Shading

40



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Modifications to Existing Playgrounds

- Ensure fall zones are accounted, including non-competing fall zones.
- Select play structures that can share fall zones or have zero fall zones like the Movmnt.
- Consider playground flow and run zones.
- Parallel entry points.

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Forest Vista Elementary School | Lewisville ISD

1 Brava Universal Swing
 2 Serenity Spot
 3 Innova Bridge & Rocker
 4 Stem Play Panels
 5 Movement Inclusive
 6 Orb Rocker

ISOMETRIC VIEW

SERIES Burke Basics | Nucleus

GROUP: Serenity Spot|StemPlay|Freesanding

DESIGNED FOR AGES: 5 to 12

Forest Vista ES
 Flower Mount, TX 75029-3459

CHILD'S PLAY, INC.
 36-182405-1
 Designer: Maggie Colton

PART THAT MOVES TOO

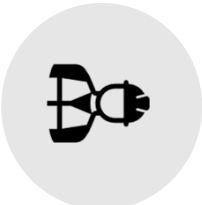
BURKE

BCI BURKE COMPANY, LLC | PO BOX 549 FOND DU LAC, WI 54936-0549 | 828.821.9228 | BCBURKE.COM


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CH0

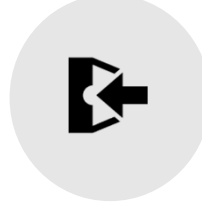
Delivery Methods



CONSTRUCTION
MANAGER AT RISK
(CM@R)



COMPETITIVE
SEALED PROPOSAL
(CSP)



JOB ORDER
CONTRACT
(JOC)

Huckabee + LISD

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CH0 [Emily Cozort] Do we have symbols for these delivery types? Maybe a quick intro slide from a bond presentation?

Corrie Hood, 2024-09-25T14:40:40.180

CH0

Construction Coordination

- Surrounding Sod Extents
- Adjacent Irrigation
- Fencing Extents
- Staging Area
- Identify Utility Locations
- Lead Times



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Budget



PLAYGROUND



TURF



SHADE

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CH0 [Emily Cozort] Do we have symbols for these delivery types? Maybe a quick intro slide from a bond presentation?

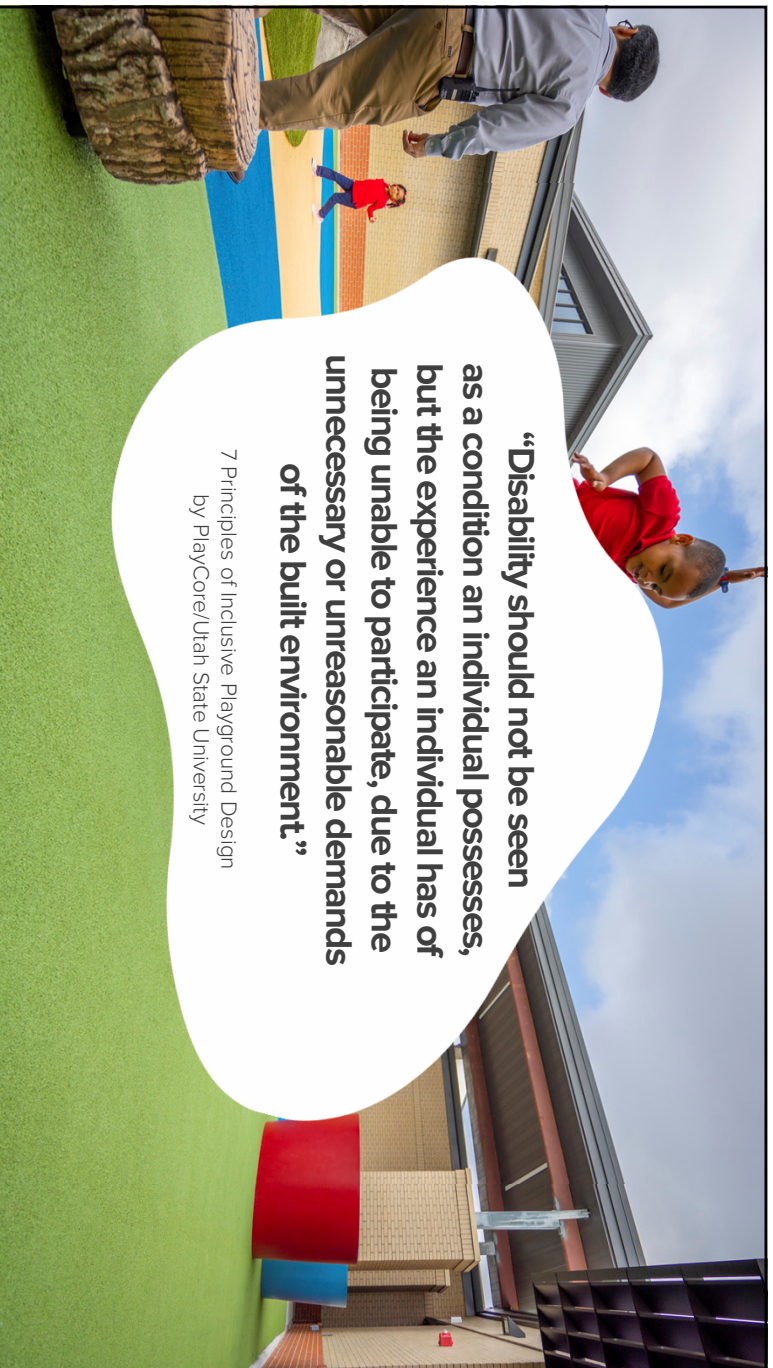
Corrie Hood, 2024-09-25T14:40:40.180

Funding Resources

- KABOOM!- This organization helps communities build playgrounds and advocates for inclusive play environments.
- The Shane's Inspiration- They create inclusive playgrounds and provide educational programs to promote inclusion for children with disabilities.
- Playground Builders- This group works on creating accessible play spaces, often focusing on underserved communities.
- National Recreation and Park Association (NRPA) - NRPA offers grants and resources for parks and recreation agencies to develop inclusive play areas.
- The ADA National Network- While not a funding body per se, they provide guidance on creating accessible spaces and may connect you with funding resources.



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“Disability should not be seen as a condition an individual possesses, but the experience an individual has of being unable to participate, due to the unnecessary or unreasonable demands of the built environment.”

7 Principles of Inclusive Playground Design
by PlayCore/Utah State University

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