

HEAD START BODY START
NATIONAL CENTER FOR PHYSICAL
DEVELOPMENT AND
OUTDOOR PLAY

Creating Play Environments for ALL Children

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Meet the Speaker

Play Environment Specialist
Children Museum
Universal Design Assessments
Playground Consultant
Workshops



Agenda

Principles of Universal Design:

- What are they?
- Other considerations
- How can I apply them in my preschool?
- Resources

Universal Design – What are they?

- Differs from accessible design
- Designed for use by all, including individuals with disabilities
- One solution that can accommodate people with disabilities as well as the rest of the population
- Considers young and old, right and left handed, those with children or aging parents
- Considers needs of multi-gender, multi-generational families

Universal Design – What are they?

Rise of Universal Design:

- Increased purchase power and independence among those with disabilities
- Increase in size and purchase power of the "gray market"
- Inadequacy and lack of market acceptance for adaptive/assistive technologies
- Returning veterans and baby boomer grandparents

Universal Design – What are they?

"Whereas accessible design simply provides a token response to the needs of people with disabilities, universal design integrates the accommodation of disability with the basic concept of the design."

1994. E. Steinfeld. Sixth Ibero-American Conference on Accessibility.

1. Equitable Use

The design is useful and marketable to people with diverse abilities.



2. Flexibility In Use

The design accommodates a wide range of individual preferences and abilities.



2. Flexibility In Use



2. Flexibility In Use



3. Simple and Intuitive Use:

Use of the design is easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level.



3. Simple and Intuitive Use:



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4. Perceptible Information:

The design communicates necessary information effectively to the user, regardless of ambient conditions or the user's sensory abilities.



4. Perceptible Information:



5. Tolerance for Error:

The design minimizes hazards and the adverse consequences of accidental or unintended actions.



5. Tolerance for Error:



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6. Low Physical Effort:

The design can be used effectively and comfortably with a minimum of fatigue.



6. Low Physical Effort:



7. Size and Space for Approach and Use:

Approach size and space is provided for approach, reach, manipulation, and use regardless of user's body size, posture or mobility.



7. Size and Space for Approach and Use:



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Other Considerations



- Colors
- Surfacing materials
- Lighting
- Furnishings/equipment

Colors



Surfacing Materials



Surfacing Materials



Lighting

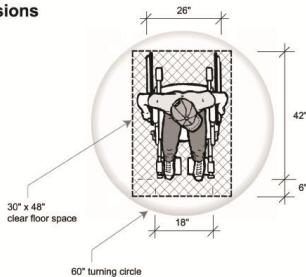


Shading



Universal Design in your preschool

Space Allowances and Approximate Dimensions for Wheelchairs



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Resources

The Accessible School by Laurel Bar & Judith Galluzzo

Play For All Guidelines, Second Edition

Easter Seals Inclusive Design Guide:
http://www.easterseals.com/site/DocServer/OSQICC_Order_Form.pdf?docID=2121

Center for Universal Design, North Carolina State University:
<http://www.ncsu.edu/www/ncsu/design/sod5/cud/>

Global Universal Design Commission, Inc.
<http://www.globaluniversaldesign.org/>



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