What I Learned on the Playground that Helped Me In School



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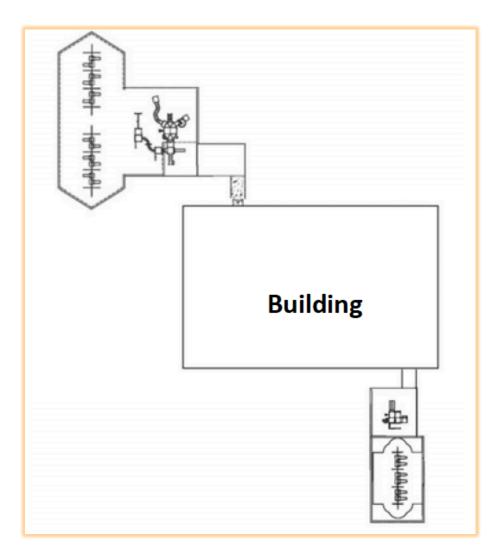




Accessible Play = Inclusive Play

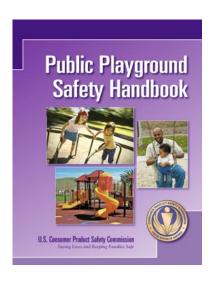
Agenda

- ADA Play Equipment
- ADA Accessible Surfacing
- Early Childhood Play Areas
- ADA Facility
 Modifications



Geographically Separated Play Areas

Standards



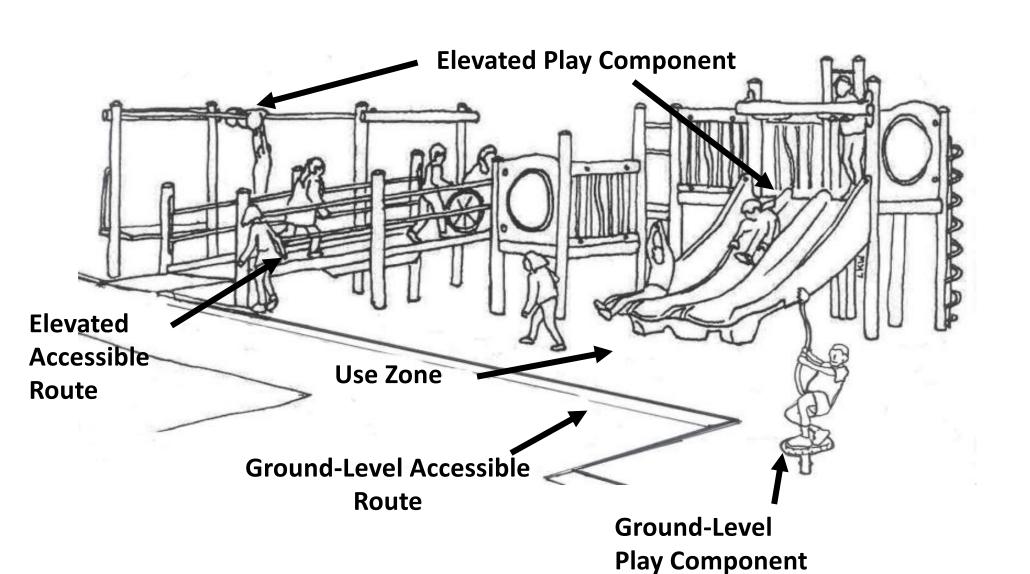




This playset **DOES NOT** meet ASTM F1487 public use play equipment.

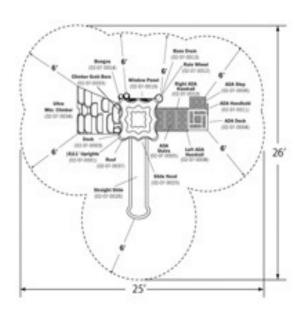
- ASTM is the American Society for Testing & Materials
- U.S. Consumer Product Safety Commission (CPSC) Public Playground Safety Handbook #325
- ADA, ECERS & the CPSC reference ASTM
- ASTM has standards for play equipment & play surfaces

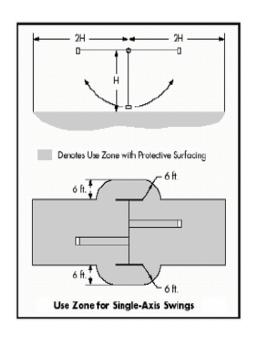
Play Area Terms



Use Zones = Fall Zones

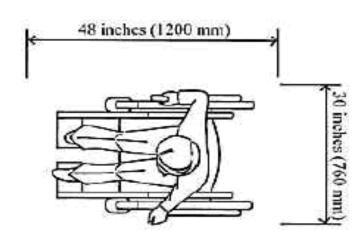
- Same thing!
- USE ZONE Ground level area beneath & immediately adjacent to a play structure or piece of equipment that is designated doe unrestricted circulation around the equipment
- It is predicted that a user would fall & land or exit the equipment on the surface of the use zone
- Minimum 6' or height of equipment if higher
- Swing use zone is 2x the pivot point height both in front & in back with 6' from perimeter of supporting structure
- Can not overlap use zones

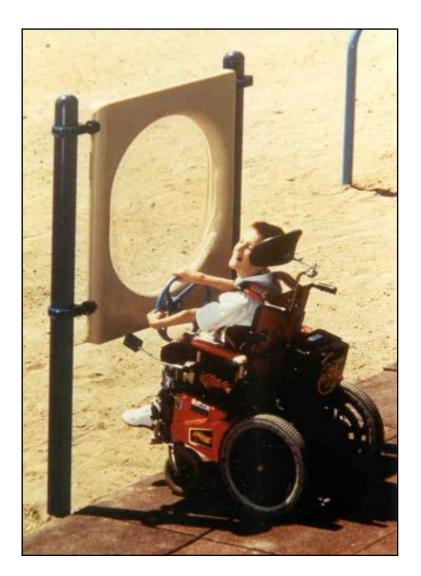




Clear Floor or Ground Space & Reach Ranges

- 30" x 48" min. wheelchair footprint
- Applies to ground-level & elevated components accessed by ramp
- 3-4 yrs: 20''-36''
- 5-8 yrs: 18"-40"
- 9 12 yrs: 16" 44"





What is a Play Component?

A play component is an element designed to generate specific opportunities for play, socialization, & learning.





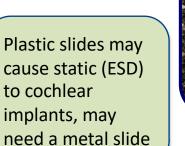


Play Types -

Identified by the experience the play component generally is designed to provide



Climbing





Sliding





Rocking



Swinging

Ground level play components

- Approached & exited at ground level
- Provide an accessible one of each type







Play Tables

For ages 5 years old and over:

- Knee clearance minimums
 - 24" high
 - 30" wide
 - 17" deep
- Top of rim 31 in. max Under age 5:
- May provide parallel approach







Swing Types





- Follow swing use zone requirements
- Place in same area as standard belt seat swings
- Provide 30" x 48" min.
 clear ground space for transfer
- Abilities of students



Elevated play components

- Approached from elevated level
- Attached to composite play structure



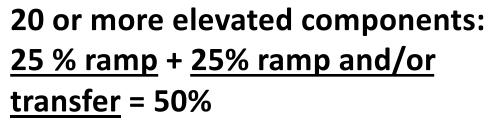




Minimum Number of Elevated Components

50% of all elevated play components in a play area must be reached by an accessible route







Less than 20 elevated components: ramp and/or transfer = 50%

Elevated Accessible Routes

Transfer Systems



Ramps



Transfer Supports



A means of support must be provided

Transfer Platform



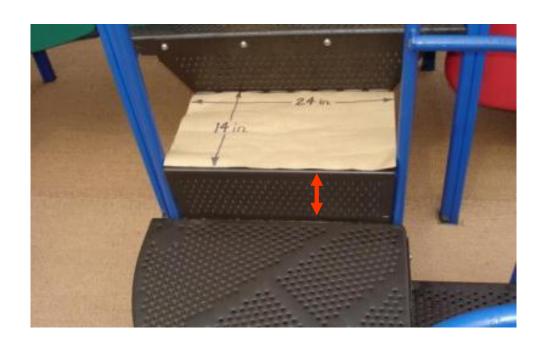
Where it is expected that an individual would transfer onto the play structure and leave behind their wheelchair or mobility device

- 14" deep X 24" wide minimum
- 11– 18" above ground surface
- 24" side to be unobstructed



Transfer Steps

- 14" deep by 24" wide minimum
- 8" maximum height





Ramps

- 36" minimum clear width
- May reduce to 32" width for 24" to accommodate composite structure features
- Exceed where possible, two way traffic is great
- Maximum ramp running slope1:12
- Continuous handrails full length of ramp 20" – 28" above ramp surface
- 60" turning space at landings



Ground Level Accessible Routes

- 60" accessible route from school building to enter & exit play area
- Permitted to narrow to 36" for 60" distance to go by a tree or other feature
- Accessible route provides access within the play area
- Running Slope maximum 1:16 to accommodate ground level terrain
- Cross Slope must not be steeper than 1:48
- May use unitary surface in accessible areas & loose fill in reminder, however must maintain level & sweep off unitary surface



Surfaces in the Play Area



Accessible ground surfaces must comply with ASTM F1951-99



Includes accessible routes, clear ground spaces & turning spaces

Surfaces in the Use Zone

If located within the use zone, the <u>accessible</u> ground surfaces must also be impact attenuating (ASTM F1292-99)





Surface inspection & maintenance

Accessible ground surfaces must be <u>inspected & maintained</u> <u>regularly & frequently</u> to ensure continued compliance with ASTM 1951-99.





Surface Transition



Flush with access route



Border with half ramp



Bevel ramp from access route



Dual surface failure



Border with full ramp

ASTM Lab Surface Testing





- ASTM lab test was originally intended as a interim step before a field test
- Many variables not measured, i.e. how installed, location, drainage, use patterns, climate

Field Testing Study



ASTM F1292 Impact Attenuation with a TRIAX

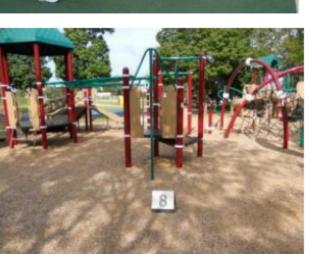


ASTM F1951 Surface Access Wheelchair Work Force with Rotational Penetrometer













Rubber tiles, Poured In Place (PIP), Engineered Wood Fiber (EWF), Hybrids – artificial turf, PEM matting, outdoor carpet systems.

^{*} Loose fill crumb rubber manufacturers' declined all invitations to join study

US Dept. of Education OCR Complaint

US Dept. of Office of Civil Rights first Section 504 ADA complaint of its kind alleging an elementary school playgrounds not accessible.

EWF surface not regularly & frequently maintained.

St. Johns County School District sent a 13 page letter & entered into a resolution agreement with OCR.

District given deadline to develop written maintenance plan for playgrounds & make playgrounds available for onsite inspection.



UNITED STATES DEPARTMENT OF EDUCATION OFFICE FOR CIVIL RIGHTS, REGION IV

61 FORSYTH ST., SOUTHWEST, SUITE 19T70 ATLANTA, GA 30303-8927 ALABAMA FLORIDA GEORGIA TENNESSEE

October 17, 2013

Dr. Joseph Joyner Superintendent St. Johns County School District 40 Orange Street St. Augustine, Florida 32084-3693

Re: Complaint #04-13-1269

Dear Dr. Joyne

The U.S. Department of Education (Department), Office for Civil Rights (OCR), has completed its investigation of the above-referenced complaint filed on April 9, 2013 against the St Johns County School District (District), alleging discrimination on the basis of disability. Specifically, the Complainant alleged that the playgrounds at Cunningham Creek Elementary School (School) are not accessible to students with mobility impairments.

As a recipient of Federal financial assistance from the Department and a public entity, the District is subject to Section 504 of the Rehabilitation Act of 1973 (Section 504), as amended, 29 U.S.C. § 794, and its implementing regulation at 34 C.F.R. Part 104, and Title II of the Americans with Disabilities Act of 1990 (Title II), as amended, 42 U.S.C. §§ 12131 et seq., and its implementing regulation, 28 C.F.R. Part 35. Accordingly, OCR has jurisdiction over this complaint.

OCR investigated the following legal issue:

Whether the School's playgrounds are inaccessible to or unusable by individuals with mobility
impairments in noncompliance with the Section 504 implementing regulation at 34 C.F.R. §§ 104.21104.23, and the Title II implementing regulation at 28 C.F.R. §§ 35.149-35.151.

In reaching its determination, OCR conducted an on-site accessibility review of 4 playgrounds, analyzed documents pertinent to the complaint issue and conducted interviews with the Complainant, the School's Maintenance Manger, the District's Secutive Director for Facilities and New Construction, and the District's Building Code Administrator. OCR evaluates evidence obtained during an investigation under a preponderance of the evidence standard to determine whether the greater weight of the evidence is sufficient to support a conclusion that a recipient, such as the District, failed to comply with the laws or regulations enforced by OCR, or whether the evidence is insufficient to support such a conclusion. Based on its investigation, OCR has determined that there is sufficient evidence to conclude that Playground 2 is in full compliance with Section 504 and Title II, while Playgrounds 1, 3 and 4 are not in full compliance with Section 504 and Title II, with respect to the issue investigated.

Applicable Regulatory Authority

The Department of Education's mission is to promote student achievement and preparation for global competitiveness by fostering educational excellence and ensuring equal access. www.ed.gov

Ask Play Surface Vendor

- Warranty
- Written instructions for installation
- Written description of base, sub-base & required drainage
- Results of ASTM F1951 lab test
- Results of ASTM F1292 lab test (same sample)
- Written description of maintenance & frequency





Early Childhood Play Areas - Rule 11

- 75 square feet
- Protected by fences or physical barriers
- Safe, durable, ageappropriate equipment



Early Childhood Play Areas - ECERS

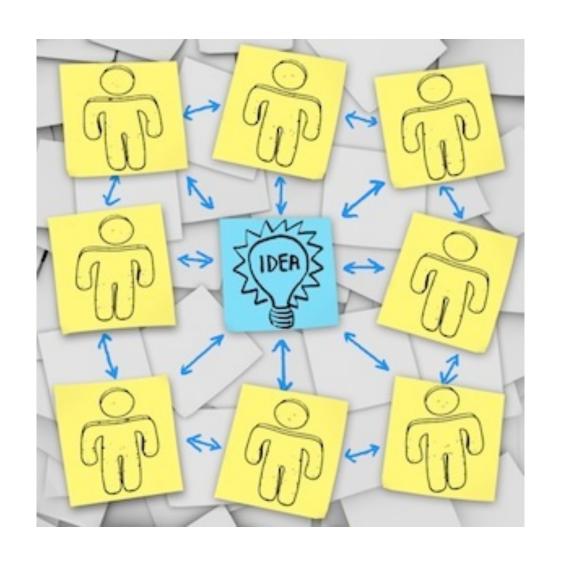
- Some equipment not considered safe for preschoolers
- Protective Surface
- Equipment spacing-Fall zones for playground equipment need to be in place.
- Entrapment hazards: "S" hooks & guardrails
- Cement footings
- Protection from the elements



Facility ADA Modifications

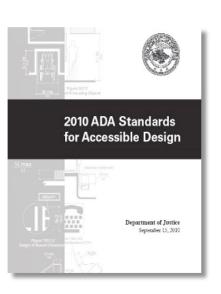
The Process ---

- ApplicationReview
- Reporting
- Payment

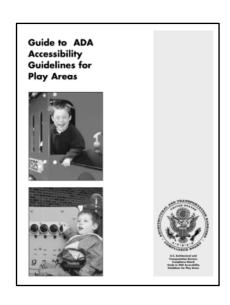


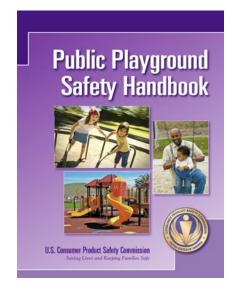
Resources – Free Downloads

- US Department of Justice ADA page: <u>www.ada.gov/</u>
- US Access Board (slides 2-25): http://www.access-board.gov/guidelines-and-standards/recreation-facilities/guides/play-areas
- ADA Facilities Checklists: www.adachecklist.org/





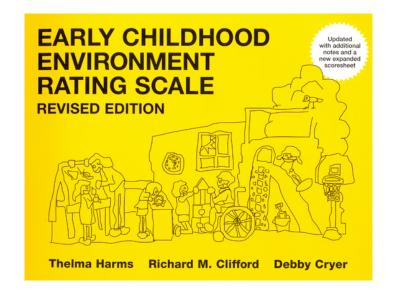




EC Training Resources

- Early Childhood
 Environment Rating Scale Revised Edition:
 http://www.ersi.info/index.html
- NDE OEC Professional Development & Training: https://www.education.n e.gov/oec/
- NDE Early Childhood
 Training Center:
 http://www.education.ne

 .gov/OEC/ectc.html



Resources

- National Program for Playground Safety: http://www.playgroundsafety.org/
- International Play Equipment Manufacturers Assn: http://www.ipema.org/
- National Center on Accessibility (slide 26): http://www.ncaonline.org/
- National Recreation & Park Assn: http://www.nrpa.org

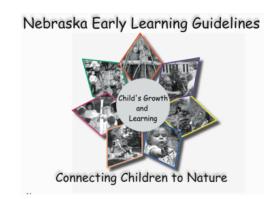






Nature & School Yard Resources

- NDE OEC Re-Connecting The World's Children to Nature: https://www.education.ne.gov/w
 pcontent/uploads/2017/07/Call_to Action.pdf
- Nature Explore, a collaborative program of Arbor Day Foundation & Dimensions Educational Research Foundation: http://www.natureexplore.org
- UNL / Nebraska Statewide Arboretum / Nebraska Forest Service Conservation Education: https://nfs.unl.edu/education







Questions?

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NDE Office of Early Childhood

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NDE Early Childhood Training Center 800-892-4453 / 402-557-6880

