# Park Playground Design AccessibleDesign **NaturePlay** Inclusive Design Universal Design **TraditionalPlay** Presenters: Jennifer D'Avanzo, PLA, PWS Stephanie Brown, CPSI Ben Johnson, PLA, CPSI









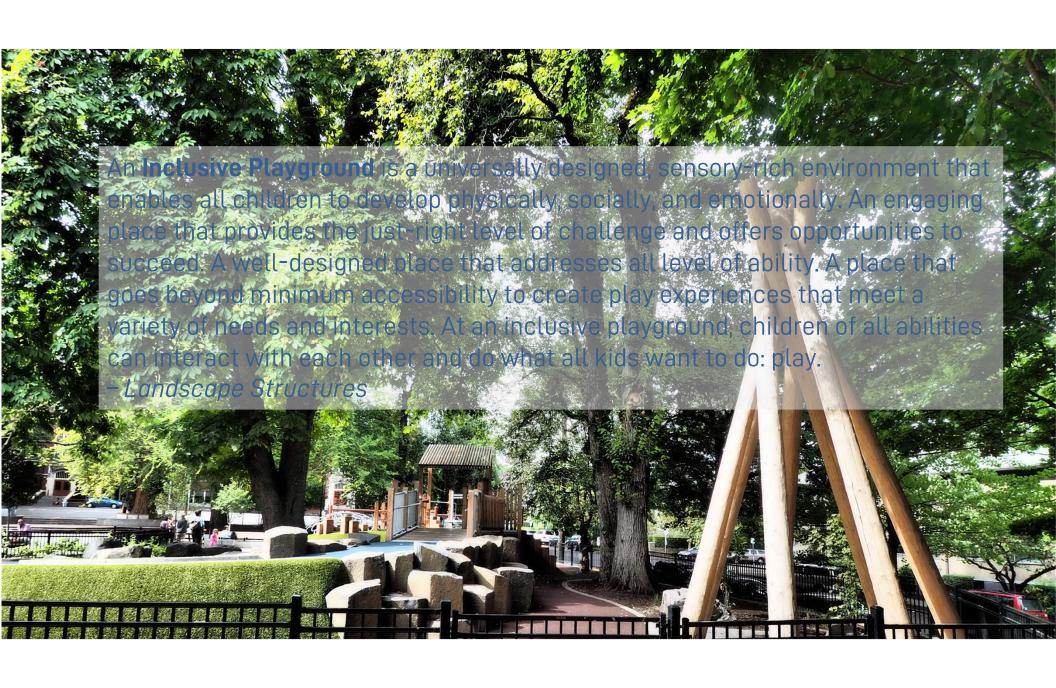


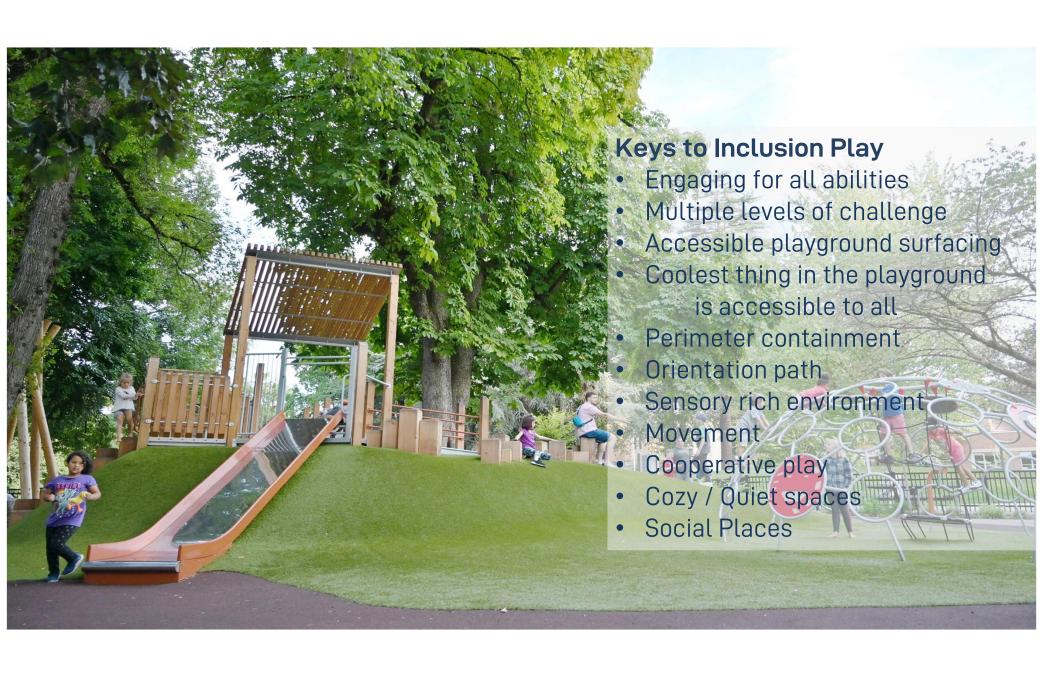


**Universal Design** 



Universal Design











Engaging for all Abilities – Not Boring



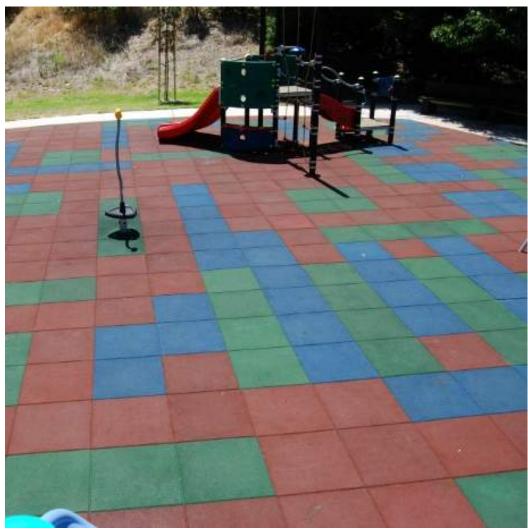






Multiple Levels of Challenge: Climbing/Balancing/Elevation





Accessible Playground Surface



## **Perimeter Containment**



**Orientation Path** 





**Coolest Thing is Accessible** 



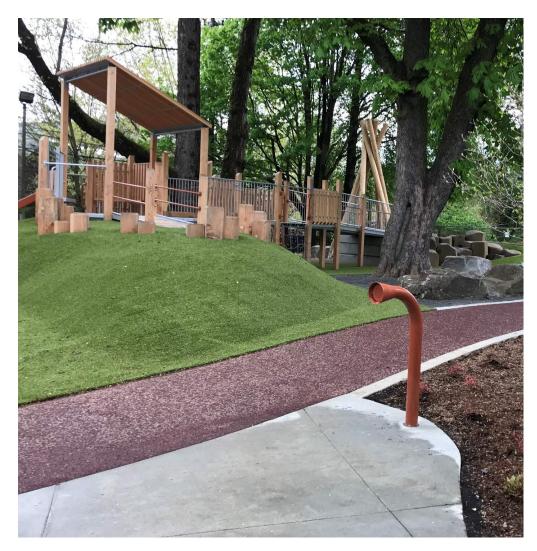
Sensory - Sound, Feel, Color, Texture, Smell







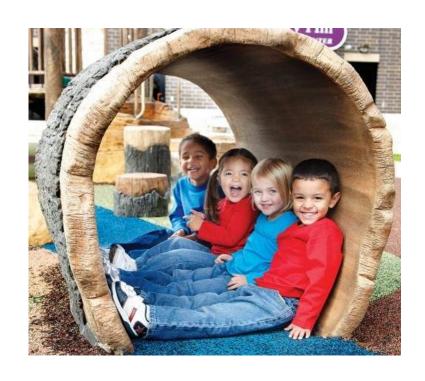
**Movement** 



**Cooperative Play** 









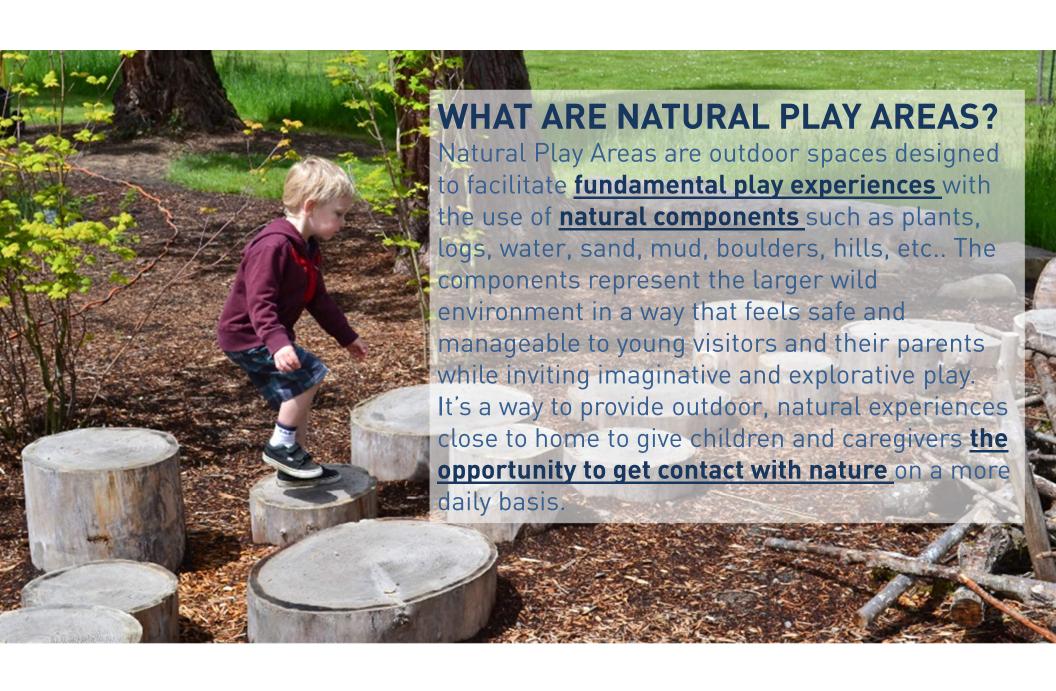
# **Quiet Places**







**Social Spaces** 





Oregon Natural Play Initiative, a group of professionals who support and promote natural play in Oregon defines Nature Play as:

"Natural Play challenges and fascinates children and teaches them about the wonders and intricacies of the natural world while they explore and play within it. It is intuitive and unstructured, constructive (or deconstructive), and timeless, encouraging interaction with natural materials, features, indigenous vegetation, and creative landforms. Natural Play is often a blend of materials and experiences to create purposely complex interplays of natural and environmental objects."

#### **NaturePlay**







Physical: Climbing/Balancing/Motion







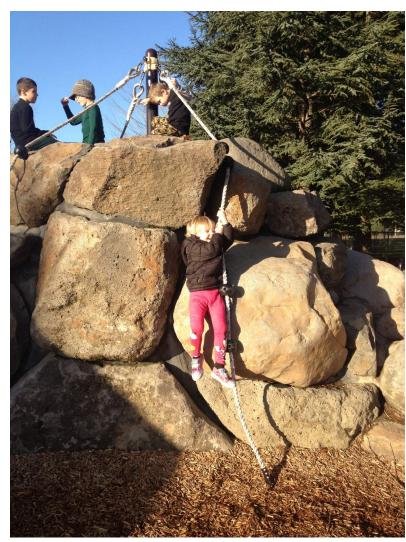
Sensory - Sound, Feel, Color, Smell, Texture





# Social





**Emotional** 





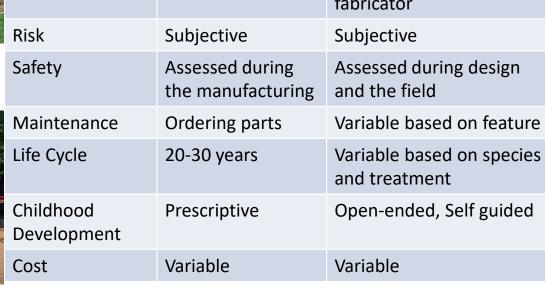
# Cognitive



CATEGORY	TRADITIONAL PLAY	NATURE PLAY
Warranty	Variable by manufacturer	Variable by manufacturer/ fabricator
Risk	Subjective	Subjective
Safety	Assessed during the manufacturing	Assessed during design and the field
Maintenance	Ordering parts	Variable based on feature
Life Cycle	20-30 years	Variable based on species and treatment







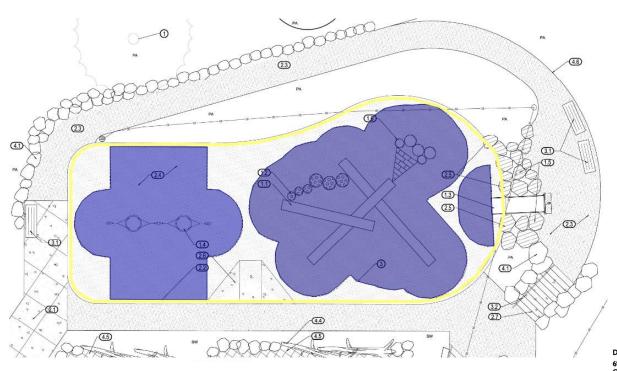


### Considerations - Traditional Play -vs- Nature Play



Provide multiple levels of challenge and risk for children to self assess and learn to master their abilities and gain confidence.

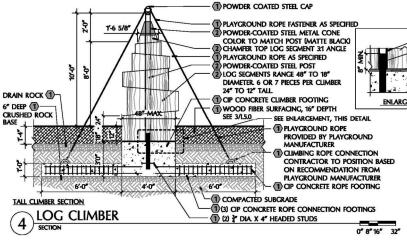
#### Considerations - Risk vs. Hazard



**FALL ZONES** 

### **Considerations - Safety**











Year - 2014 Year - 2021

# **Considerations - Life Cycle of Wood**











Tiles - \$20/SF

Considerations - Cost/Maintenance/Warranty: Surfacing



Log Structure: \$45K



Traditional Structure: \$77K



Log Tower: \$166K



Nature Themed Structure: \$63K



Modern Structure: \$55K



Embankment Slide: \$50K Slide: \$10K

Boulder Scramble: \$40K

## **Considerations – Cost: Comparison**



**Considerations – Diversity** 



Project Example – DC Latourette Park





# **Project Example - DC Latourette Park**





**Project Example - DC Latourette Park** 







Projects	Total Project Size	Cost for All Features
DC Latourette Park Playground, Plaza	.5 Acre (2,700 SF play area)	~\$600K Playground, Basketball Court, stormwater planting, ADA access, plantings, and furnishings
Couch Park (reconstructed areas) Constructed - 2019	.4 Acre (8,000 SF Play area)	\$1.5 Million Playground, Plaza, Portland Loo
Westmoreland Park Constructed - 2014	.5 Acre (all play)	\$1 Million  Nature play, water and sand play, pathways, plaza, landscape
Scott Park	.5 Acre	\$480K, all improvements
Balfour Park	.7 Acre	\$830K, all improvements
Bowman Brae Park	.6 Acre	\$580K, all improvements

# **Project Size Comparisons**

