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ASPHALT TO ECOSYSTEMS

Outline of today's presentation, drawn from Sharon Danks's book

Introduction

- Welcome
- Schoolyard ecological design goals demonstration scale vs. ecological impact
- Schoolyard context children's shrinking domain in our cities
- Schoolyard transformation example
- Framework for thinking about school grounds 6 themes that together shape vibrant school grounds Learning, Ecology, Place, Play, Health, Community

Learning

- Model school example illustrating comprehensive outdoor curricula
- Other examples of hands-on curricula and outdoor classrooms

Ecology

- Wildlife habitats variety shown, based on local environment
- Water systems
 - o rainwater collection
 - o site design for stormwater infiltration
 - o greywater (cleaned onsite) used for play
 - o blackwater treatment wetland
- Energy systems
 - o renewable energy generation
 - o interpretive displays
 - o energy conservation using "green curtains"
- Local natural materials wood, stone, earth
- Salvaged building materials wood, "urbanite" (salvaged concrete), etc.

Place

- Natural context watersheds, plant communities, special ecological features
- Cultural context local traditional crafts
- Geographic context maps
- Memorable places place-making using artwork

Play

- Inclusive design sports for all ages and abilities; rethinking "accessible" play
- Social play for multiple children, involving negotiation
- Environments that invite active play pathways, climbing, sliding
- Creative play imaginative play, construction-oriented play, art play

Health

- Environmental health
 - o shade and microclimate variety
 - o organic management practices
 - o non-toxic materials
- Nutrition
 - o teaching gardens
 - o nibbling gardens
 - o animal husbandry
 - cooking outdoors
 - o connections to community food systems
- Lifelong health
 - o skill development and common sense
 - o local plant knowledge
 - o tool safety
 - water safety
 - o fire safety
 - o balance
- Beneficial risk "You Learn to Fall by Falling" philosophy. Risk is the way we learn.

Community

- How do green schoolyards come about? Community participation.
- Typical urban starting point
- · Community-wide brainstorming of ideas and goals
- Site walk to understand opportunities and constraints
- Design workshop with the community of adults and children
- Consensus building master planning prioritization
- Construction and implementation
- Community stewardship
- Celebration
- Overall goal happiness and a sense of wellbeing for children

Closing

- Rules of thumb
- Transformation example
- Closing slide
 - o For more information, please visit the websites above.
 - Upcoming International School Grounds Alliance conference in Toronto,
 September 23-25, 2013 www.greenschoolyards.org