

Creating Wildlife Gardens in Child Care





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Benefits of Wildlife Gardens

- Creates dynamic outdoor classroom.
- Expands educational opportunities for teachers and children.
- Creates positive change in local environment.
- Supports children's natural curiosity.
- Promotes children's sense of stewardship and a sense of place.





Children and Wildlife

- Stimulate caring and responsible attitude toward other living things.
- Children will interact with, talk to, invest in emotionally.
- Requires supervision, management, policies.

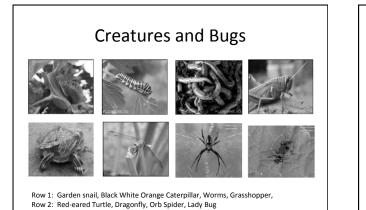


Wildlife in Childcare Centers

In and around the outdoor space

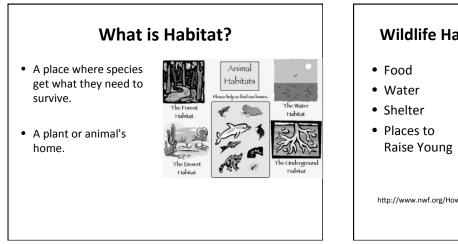
- Birds
- Butterflies
- Small animals, amphibians, reptiles
- Fish, frogs, pond life

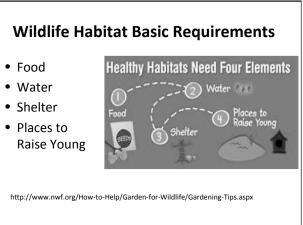


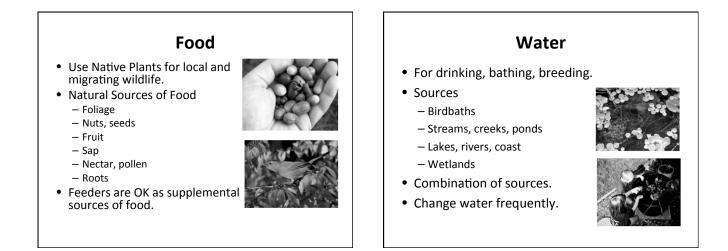




- A whole community of living things, non-living elements, and their interrelationships.
- A complex, shared habitat.







Cover

- Feeding, hiding, courting, nesting.
- Protective from the heat, cold, wind, rain and predators.
- Sources
 - Living and dead trees
 - Dense shrubs
 - Grasses
 - Rocks and brush piles
 - Constructed nesting boxes



Places to Raise Young

- Examples
 - Areas for nesting
 - Plants for butterfly larvae
 - Pond water for tadpoles
- Sources
 - Trees and bushes
 - Holes in the ground
 - Water and rain gardens
 - Host plants for caterpillars



Native Plants

All about the plants

- Promote diversity of plant species in our communities.
- Provide the best overall support for local wildlife species.
- Produce more pollen (bees), nectar (butterflies), seeds (birds).
- Require less water and overall maintenance.





Plant Selection

- Choose native plants.
- Choose plants to fit your site.
- Plan for summer.
- Interest in every season.
- Variety of textures and foliage.

NCSU Cooperative Extension http://www.ncsu.edu/goingnative/index.html





Sustainable Gardening Practices

- Work in harmony with nature environmentally friendly.
- Improve the health of the garden.
- Minimize negative impact on environment.
- Practices
 - Mulching to conserve moisture
 - Use native, drought-tolerant plants
 - Reduce/eliminate use of chemicals
 - Composting
 - Water conservation





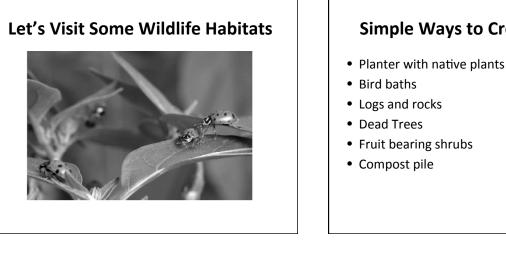
Maintain Your Schoolyard Habitat

Regular and Ongoing Maintenance

- Watering
- Cleaning and Refilling
- Weeding
- Cleaning Feeders
- Maintaining compost pile



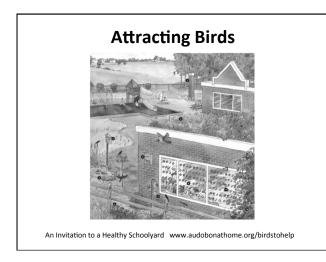
Involve students, parents, teachers and community

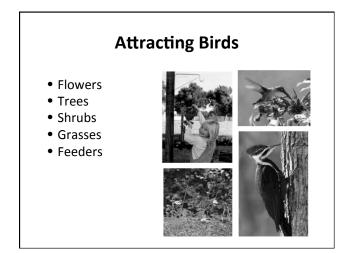




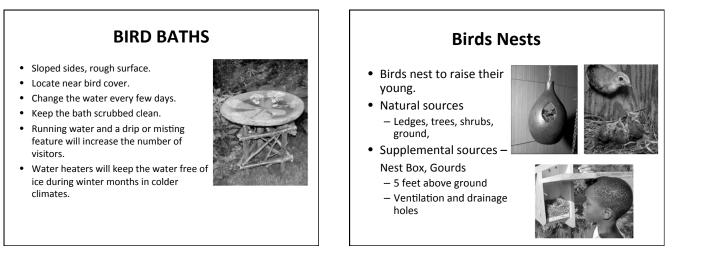








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Butterfly Garden

- Choose a sunny location.
- Scented, colorful plants.
- Plant two types of plants

 Host plants provide nutrition for hatched caterpillars
 Nectar flowers for adult butterflies
- Flat rocks for resting places.
- Water for "puddling".
- Avoid pesticides.



Milkweed is attractive to all butterflies as a nectar food source, but only Monarch caterpillars can eat the plant.

Plants to Attract Butterflies in NC

Annuals	Perennials	
Alyssum	Asters	
Marigold	Butterfly Bush	e ale
Salvia	Purple Coneflower	Ser total
Sunflower	Black-eyed Susan	1 1 1 1 1 1 1
Zinnia	Phlox	alala)
Verbena	Milkweed	and 1
Snapdragon	Joe PyeWeed	





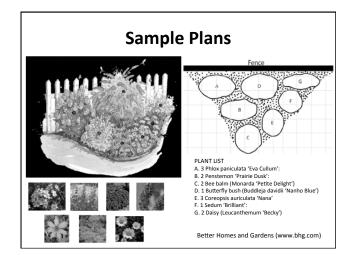
Natural Learning Initiative, Green Desk Post on

Top Ten Easy-to-Grow Perennials, Shrubs and Trees for Attracting Birds to Children's Gardens

- 1. American beautyberry Callicarpa dichotima

- 5. Cornelian Cherry Cornus mas
- 6. Miscanthus Miscanthus sinensus
- 7. Sunflower Helianthus annuus
- 8. Sweetbay magnolia Magnolia virginiana
- 10.Purple-top verbena Verbena bonariensis







Better Homes and Gardens (www.bhg.com)

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Learning Activities in the Garden

Whole child development -

Literacy, math, science, language, social studies, geography, arts, dramatic play

- Bird watching
- Life cycles of butterflies
- Relationship between animals and plants
- Plant pollinators
- Wildlife safari
- Nature journals





Nature Detectives

- Journaling.
- Scavenger hunt.
- Observation skills.
- Simple tools (magnifiers, binoculars, containers).
- Make predictions, record data, draw conclusions.
- Create schoolyard field guide.
- Teacher take photos.

Communities, David Sorbel

Create project approach to learning.

Place-Based Education: Connecting Classroom and

Science Children



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Children and Nature

"As a child, one has that magical capacity to move among the many eras of the earth; to see the land as an animal does; to experience the sky from the perspective of a flower or a bee; to feel the earth quiver and breathe beneath us."



Valerie Andrews, A Passion for this Earth

