

Δ



5







8



The Natural World Is Exciting

- Young children love to play in nature
- Filled with learning opportunities

Use nature as a tool to support all children's learning

Learning
Objective

1. Ways to Connect
2. Research and the ELOF
3. Strategies

10



Ways to Connect

11





Beyond the Playground

- Learning *in* nature
- Learning *about* nature
- Learning with nature

13



Learning in Nature

- Bringing an indoor activity outside
- Benefits to time outside
- Doesn't require nature for actual learning to occur

14



Learning *about* Nature

- Some aspect of natural world
- Often adult-directed
- Inside or outside

Placeholder for Video 1: Feeling the Wind



16



17



Learning with Nature

- Hands-on exploration
- Informal learning
- Freedom of choice
- Accessible to all

Placeholder for Video 2: I Found an Ant

When the control of the c

19



20



Benefits of Learning with Nature



Benefits of Nature

"Nature is important to children's development in every major way— intellectually, emotionally, socially, spiritually and physically."

~Kellert, 2005

22



Grow Your Own Food

- More likely to eat fruits and Wisstat liker skills might this
- Better unslepstartding of nutrition
- More likely to follow healthy eating habits

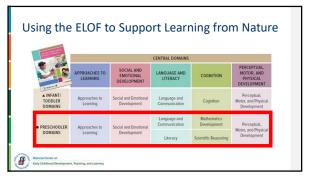
23

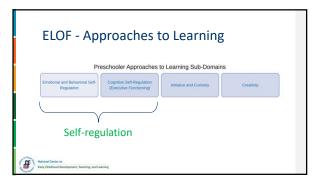


Grow Your Own Food

What other skills might this support?









Self-Regulation and Nature

- ½ spent time in outdoor learning environments daily
- ½ spent time in outdoor learning environment once a week
- Recorded amount of time spent outside

28



29



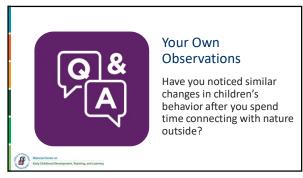
Self-Regulation and Nature

- Daily curriculum in outdoors related to better selfregulation
- More time outside related to better self-regulation

National Center on

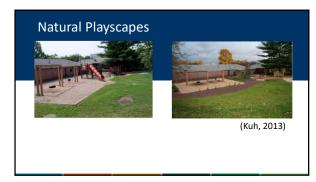
Early Childhood Development, Teaching, and Learning

















38



Language and Communication

- Opportunities to practice language
- Meaningful connections
- Hands-on experience
- Follow their own curiosity



Language and Communication

- Adults: more diverse nature terms exploring park
- Preschoolers: more nature terms exploring park

40



Language and Communication

• Adults play important role in supporting language development

Goal P-LC 6. Child understands and uses a wide variety of words for a variety of purposes.

41







44

Cognition

- Mathematics Development
- Scientific Reasoning



National Center on



Little Scientists

- Hands-on experience
- Exploration
- Asking questions
- Finding patterns
- Collecting "data"

46



47

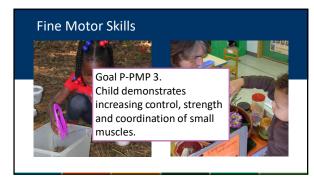
Scientific Reasoning in Nature

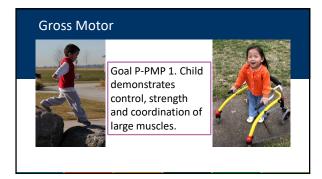
Goal P-SCI 9. Child observes and describes observable phenomena (objects, materials, organisms, and events).



of Man-			
(A)	National Center on		
100	Mary Marketon American Street	Maria Maria	 10000







Perception





52



Physical Health

- 3000 children in Head Start classrooms
- More outdoor play → lower BMI

53

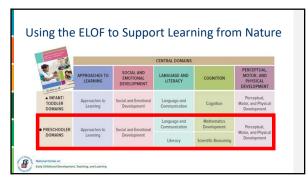
Physical Health

Goal P-PMP 5. Child develops knowledge and skills that help promote nutritious food choices and eating habits.



National Center on

Each Childhood Development Traching and Learning







Placeholder for Video of Guest Expert

National Center on
Early Childhood Development, Teaching, and Learning

58



"If the environment is the third teacher, there is no better classroom environment than the outdoors."

~Daniela Silver, NAEYC, 2019

Early Childhood Development, Teaching

59





Materials

61



Based on Interests

- Child-directed
- They choose how to interact

62



Natural + Tools

- Encourage innovation
- Connect with culture



Open-ended

- Loose parts
- Promotes skills across the ELOF domains

64

Placeholder for Video 3: Making Letter "M"

65



Adult Role



Adult Role - Language

- Ask open-ended questions
- Think out loud together
- Use intentional language

67



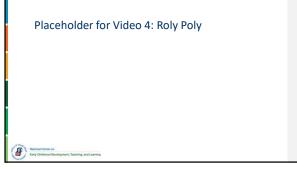
Adult Attitudes

- Obstacle or opportunity
- Curious mindset
- Positive attitude
- Level of comfort and accessibility

68











"Nature is a tool to get children to experience not just the wider world, but themselves."

~ Stephen Moss

73







Beth Zack, PhD Renetta Goeson, MEd

National Center on
Early Childhood Development, Teaching, and Learning

74

Thank You!

Join us for our next Front Porch Webinar

Date: September 2, 2021

Focus: How to ask questions to support children's thinking and learning



This presentation was developed with funds from Grant #BUHD/DUDUCU for the U.S. Department of Health and Human Services, Administration for Children and Families, Office of Head Start, and the Office of Child Care by the National Center for Early Childhood Development, Teaching and Learning. This resource may be duplicated for noncommercial uses without permission.