



Cleveland Museum of
NATURAL HISTORY



HOLDEN
FORESTS &
GARDENS

CLEVELAND BOTANICAL GARDEN AND THE HOLDEN ARBORETUM
ARE BRANCHES OF HOLDEN FORESTS & GARDENS.

Project Learning Tree Curriculum and Activity Guide

Agenda: Wednesday, June 27th, 2018, Cuyahoga SWCD Office

Activities:

8:00 Sign in and “Viewpoints on the Line”

8:15 Welcome & Introductions (follow-up to “Viewpoints on the Line”)

8:30 Overview:

- Workshop Goals & Objectives
- PLT – Ohio History & Program 501(c)(3) 31-1286951
- State Sponsor ODNR Division of Forestry (since 1986)
- PLT & SFI (national sponsor the Sustainable Forestry Initiative) 5 yr. MOU

8:45 Hike” through the PLT guide & modules & Early Childhood guide with CD

Online resources to reference and use

9:00 Find out how trees enrich our lives using PLT Activity #31, “Plant a Tree “, page 132

9:30 Service Learning Project

Tree planting as a service learning experience

Noon Lunch “on the circle” while Professional Networking.

Individually or in coop team complete PLT Activity # 16, “Pass the Plants, Please” page 77

12:45 Experience *PLT EE Guide* Activity Lessons Indoors & Outside

Some highlights might be page 203 “FIELD, FOREST, AND STREAM”; page 284 “HOW BIG IS THAT TREE?”; page 31, POET-TREE “; page 297“ SOIL STORIES

1:00 **Tour: Cleveland Museum of Natural History –Resources for educators**

2:00 Green Works grants, Experience *PLT EE Guide* Activity Lessons Indoors & Outside - continued

3:00 **Tour: Sharon Graper, Director of Academics, Cleveland Botanical Gardens - Resources for Educators**

4:45- 5 **Wrap up** Service learning partnerships available through Cuyahoga SWCD



Homework – Describe how local resources could be used to assist your students with problem based lessons or service learning projects.



Agenda: Thursday, June 28th, 2018, **Westerly Wastewater Plant**

8:00 **Tour: Westerly Wastewater Plant with Ebony Hood, Community Relations Specialist, Northeast Ohio Regional Sewer District - Resources for educators**

10:00 **Bus tour of high quality school learning lab sites**

Noon **Lunch**

12:30 **More school sites**

3:00 **Presentation by Scott D. Hardy, PhD, Extension Educator, Ohio Sea Grant**
"What is the Cuyahoga Area of Concern (AOC)?"

3:30-5 **Create PBL/service learning lessons/project plans**

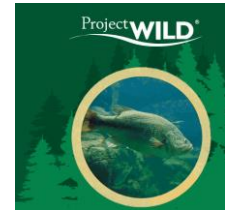
Learn how to use County Greenprint to create a site map for lessons and projects

Create project budgets including funding ideas – OEEF grants, Green Works grants, Wild School grants

Homework for graduate credit – complete PBL/service learning plans – Due July 14th, 2018



Lake Erie Nature &
Science Center



Growing Up WILD, Project WILD & Aquatic WILD

Agenda: Friday, June 29th, 2018, Lake Erie Nature and Science Center

Jamey Emmert, Ohio Division of Wildlife
Wildlife District Three, Akron, OH
Jamey.Emmert@dnr.state.oh.us
(330) 245-3020



8:00 Experience PLT EE Guide Activity Lessons Indoors & Outside - continued

9:00 Introductions

ACTIVITY: Hiding In Plain Sight* - ages 3-7 years

other options:

*Thicket Game**** – PreK-4th grade

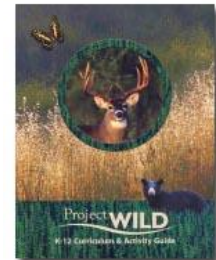
*Fashion a Fish*** - K-6th grade

ACTIVITY: Are You Me?*** – K-4th grade

other options:

*Interview a Spider**** – grades 5th-8th

*Grow As We Go** - ages 3-7 years



Overview of the guidebooks & let's discuss **Field Investigations!****

ACTIVITY: Lunch for a Bear* - ages 3-7 years

other options:

How Many Bears Can Live in This Forest? - grades 5th-8th

Migration Headaches - - grades 5th-8th

Noon- Lunch

*Growing Up WILD, ages 3-7yrs
**Aquatic WILD, K-12th grade
***Project WILD, K-12th grade

12:30

ACTIVITY: Hazardous Links, Possible Solutions – 7th-8th grade**

other options:

Terrific Turkeys - ages 3-7 years*

*Quick Frozen Critters*** - grades 5th-8th*

ACTIVITY: Oh Deer!* – 5th-8th grade**

other options:

Oh Deer! - ages 3-7 years*

*Where Have All the Salmon Gone?*** – 6th-12th grade*

ACTIVITY: Fishing Fun* - ages 3-7 years

other options:

*Fisby Who's Who*** - 5th-8th grade*

ACTIVITY: Bird Beak Buffet* - ages 3-7 years

other options:

*Adaption Artistry*** - 5th-8th grade*

*Eat and Glow** - 9th-12th grade*

ACTIVITY: Tracks! – 5th-8th grade

other options:

Tracks! - ages 3-7 years*

3:15 Peer teaching

4:00 **Tour: Lake Erie Nature Center, Darci Sanders, Director of Education, Lake Erie Nature & Science Center - Resources for Educators**

4:45 Resources, Evaluations, Certificates, Wrap-Up

5 - END -



June 29th is free! The ODNR is providing Project Wild, Growing Up Wild and Wild Aquatic workshop award-winning guides *free*.