Using Goals, Outcomes, & Objectives

• Outcomes
  • What participants will do ‘in real life’ as a result of the program
  • Short-term or long-term elements
  • Drive the knowledge, skills, and abilities of the PD
    • What do I need to provide in this PD that will allow participants to accomplish this outcome?
• Measurement of outcome
  • Initially, observation & self-assessment
  • True assessment requires follow-up
Using Goals, Outcomes, & Objectives

• Objectives
  • Define what is done at a PD event
  • Prepares educator to meet outcomes
  • Makes participants aware of PD expectations
  • Action/task oriented, specific, and measureable
  • PD content is tied to objectives
Writing Outcomes & Objectives

Tips:

• Make it clear what will be accomplished by the end of the PD event
  • Simple, clear, concise, relevant, measurable/observable
  • Use Action Verbs
    • Affective: attitudes/feelings
    • Behavioral: skills/performance
    • Cognitive: information/concepts

**EXAMPLE**

*Goal*: Students become environmentally literate

*Outcome*: Teachers engage their students in authentic outdoor field investigations as an integrated part of their teaching,

*Objectives:*

- Teachers will participate in a field investigation
- Teachers will analyze the steps in preparing students for field investigations
- Teachers will identify potential field investigations in their schoolyard/community
- Teachers will create a lesson that include field investigations
PLT Agenda
Cliffs of the Neuse State Park
Agriscience Application Educators
August 8, 2014

9:00am Let’s Get Started! Intros, Icebreaker, Goals
   # 13  We All Need Trees
   # 19  Viewpoints on the Line

PLT Activities
   #27  Every Tree for Itself
   #69  Forest for the Trees

Field Exercise: Why, How, and Tools of Forestry
   #67  How Big is Your Tree
   #68  Name that Tree

LUNCH!!!

PLT Activities (continued)
   #70  Soil Stories
   #44  Water Wonders
   #1  (FF) Monitoring Forest Health

3:30pm Where to from Here?
   Research and Planning

4:00pm Wrap-up, handouts, forms, evals, and etcetera

4:30pm Goodbye! Safe Travels Home!

NC PLT SPONSORS

NC PLT
www.ces.ncsu.edu/plt

PLT
www.plt.org

Office of Environmental Education & Public Affairs
www.eenorthcarolina.org
Workshop Outcomes:

Workshop participants will use Project Learning Tree activities to meet competencies and objectives for the Agriscience Application course; especially those related to Environmental Science.

Workshop participants will participate in the Building Environmental Literacy and Leadership through integrating Environmental and Agricultural Education and Service Learning research.

Workshop Objectives:

- Workshop participants will:
  - Recognize the strength and support of the PLT Curriculum and network.
  - Engage directly in PLT activities (learning by doing).
  - Recognize the many products made from trees that we use daily.
  - Practice basic tree identification.
  - Use forest measurement tools.
  - Analyze the complexities of forest and wildlife management.
  - Discuss ways to implement PLT activities into their current lesson plans.
PLT TENTATIVE AGENDA
AUGUST 27, 2016 – Six hour workshop
Agape Center for EE

9:00-9:15    Registration and Refreshments

9:15-10:05   Welcome
             Icebreakers/Introductions
             “Tree Factory” – PLT #63 Structure and Scale (p. 223)

10:05-10:40 “Fallen Log” PLT #23 Interrelationships (p.105)

10:40-11:10 PLT Origins and History
             “Birds & Worms” PLT #25 Interrelationships (p. 111)
             [If rainy, substitute “Tree Cookies” – PLT #76 Patterns of Change
             (p. 327)]

11:10-12:00 “Getting in Touch With Trees” - PLT #2 Diversity (p. 20)

12:00-12:15 “Making Paper” introduction – then folks can make their paper –
             taking turns thru lunch - PLT #51 Systems – (p. 224)

12:15-12:45 Lunch / making paper

12:45-1:10  Fabulous prizes! ACE Education Curriculum / EENC / EE
             Certification

1:10-2:10   “Looking at Leaves,” PLT #64 (p. 273), and “Name That
             Tree” PLT #68 (p. 288) both Structure and Scale

2:10-2:50   “Every Tree for Itself” – PLT #27 Interrelationships (p.117)

2:50-3:10  Hike through the PLT Guide

3:10-3:30  Wrap-up and Evaluations

3:30  Depart
Project Learning Tree Workshop
Agape Center for EE

Workshop Outcome:  Workshop participants will use PLT activities to meet objectives for their classroom, EE Center, or other facility.

Workshop Objectives:
  Workshop participants will:
  • Recognize the strength and support of the PLT Curriculum and network.
  • Engage directly in PLT activities (learning by doing).
  • Demonstrate parts of a tree and their functions.
  • Inspect the interrelationship between organisms and decaying logs.
  • Define camouflage and assess its role for animals in the ecosystem.
  • Construct recycled paper and describe the paper-making process.
  • Recognize the many products made from trees that we use daily.
  • Practice basic tree identification.
  • Analyze the complexities of the forest ecosystem.
  • Identify how English Language Arts and Math can be incorporated into EE programs.
  • Examine the adaptability of the PLT materials.
  • Discuss ways to implement PLT activities into their current lesson plans or programs.

Workshop Goal:
  • Teachers engage their students in authentic outdoor field investigations as an integrated part of their teaching using PLT activities as a springboard.
PLT Agenda
Belmont Abbey College
August 18, 2014

8:30am Let’s Get Started! Intros, Icebreaker, Goals
#13 We All Need Trees Diversity (PreK-6)
What is EE? A brief overview
#19 Viewpoints on the Line Diversity (6-8)

PLT Activities
The Tree in Project Learning Tree
#76 Tree Cookies Patterns of Change (1-8)
#63 Tree Factory Structure and Scale (K-6)
#61 The Closer You Look Structure and Scale (PreK-6)

So what is this guide all about? Exploration

More than just TREES!!!!!!
#44 Water Wonders Systems (4-8)
#5 Poet-Tree Diversity (3-8)
#25 Birds and Worms Interrelationships (K-6)
#80 Nothing Succeeds Like Succession Patterns of Change (3-8)

Hike Thru the Guide & Open Book Test (Prizes!)

3:00pm Wrap-up, handouts, forms, evals, and etcetera

3:30pm Thank you, Goodbye, and Good Luck!

Today’s workshop was facilitated by:
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NC State University
Department of Forestry and Environmental Resources
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919-515-5518

NC PLT Web Site
www.ces.ncsu.edu/plt

Office of Environmental Education
www.eenorthcarolina.org/
EE Centers
www.eenorthcarolina.org/eecenters.htm
Workshop Outcomes

Workshop participants will use Project Learning Tree activities to meet competencies and objectives for their classroom, EE Center or other facility.

Workshop Objectives

Workshop participants will:

- Increase their knowledge about environmental education and resources available to them across the state
- Recognize the strength and support of the PLT Curriculum and network
- Engage directly in PLT activities (learning by doing)
- Develop an appreciation for trees and tree products
- Summarize basic tree physiology
- Explain parts of the water cycle
- Identify how English Language Arts and Math can be incorporated into EE programs
- Demonstrate the adaptability of the PLT materials
- Discuss ways to implement PLT activities into current lesson plans or programs