A Look Back into Schoolyard Ecology

by Pamela Snow,
Harvard Forest LTER Schoolyard Coordinator

Photos were contributed by participating Teachers, Coaches and Schoolyard Staff

Harvard Forest Schoolyard Ecology

Real Science

Real Scientists

*Real Issues**

*Summer Institute 2007 teacher evaluation

Collaboration

- Schoolyard Long Term Ecological Research program, National Science Foundation
- Environmental Organizations:
  - Millers River Environmental Center
  - Nashua River Watershed Association
  - Massachusetts Audubon Society
  - U.S.D.A. Forest Service
- Over 60 classes in Public and Private School Districts
- Harvard Forest
- Private Donors

Kate Bennett receives Formal Educator Award

New England Environmental Education Association

2008 Secretary's Awards for Excellence in Energy and Environmental Education

Massachusetts Executive Office of Energy and Environment Affairs

Students from Wildwood School Amherst at the State House

Jessica Greene

West Springfield

Judi Miller

Athol-Royalston

Michael Silverstone

Amherst

Students from Wildwood School, Amherst
The Hall of Flags, Mass. State House

Schoolyard Ecology Field Work

Ralph C. Mahar Middle School
Orange

Bagnall Elementary School

Groveland

Empty Vernal Pool


10/24/2008

JR Briggs Elementary School

Ashburnham

Athol-Royalston Middle School

Budburst Prep: Forcing Buds

Edward Devotion School
Brookline

Worcester Academy

Communicating Results: Poster Session

West Springfield Middle School


Standards:
Climate Change & Phenology:
Buds, Leaves, and Global Warming
Hypothesis:
Tree #1
BRANCH MAP
Introduction
Study Area
Results
Summary
Tree #2
Introduction
Study Area
Results
Summary
Branch Maps
Methods
November
December
ASTRONOMY
NO REVIEW


Summary
Tree #6
Branch Map
Tree #7
Introduction
ReSuLtS

Field Trips to Harvard Forest

The MacDuffie School

Ashburnham Field Trip



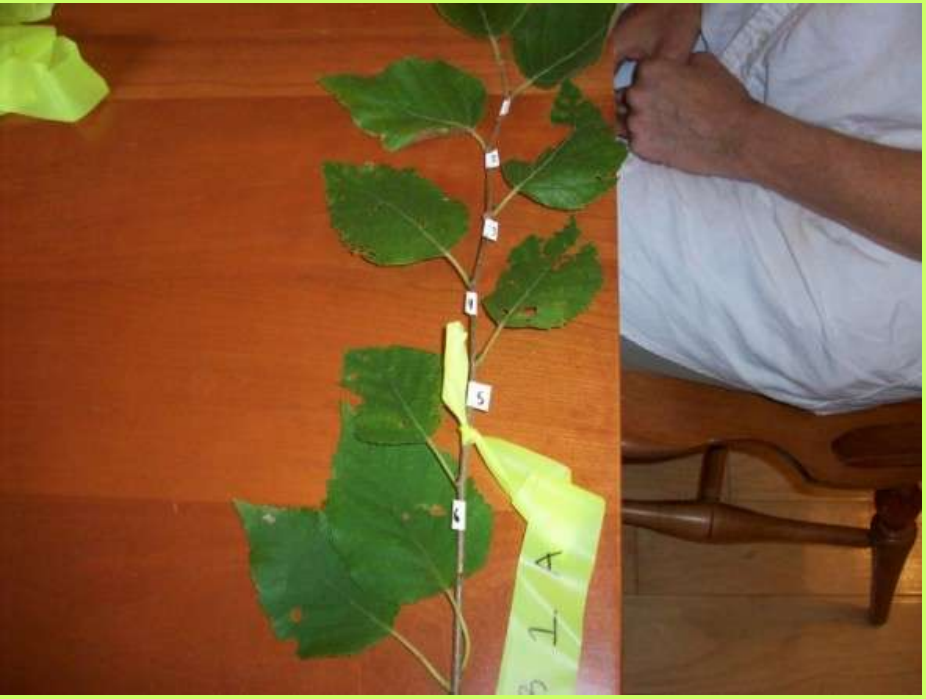

Spring 2008 Teacher Workshop

Harvard Forest


Snow Depths
Hemlocks
Hardwoods


Pedagogical Motivations for Participation in Buds, Leaves and Global Warming
1. Concerns about scientific literacy of the American public in general
2.Concern over lack of student knowledge/interest in nature

Summer Institute 2008



Sadly, these are our only pics from Summer Inst. this year due to technical difficulties.


Data Workshop
Level I November 2008
Phenology of Woody Species

Introducing our Newest Workshop:

Data Workshop
Level II

Betsy Colburn

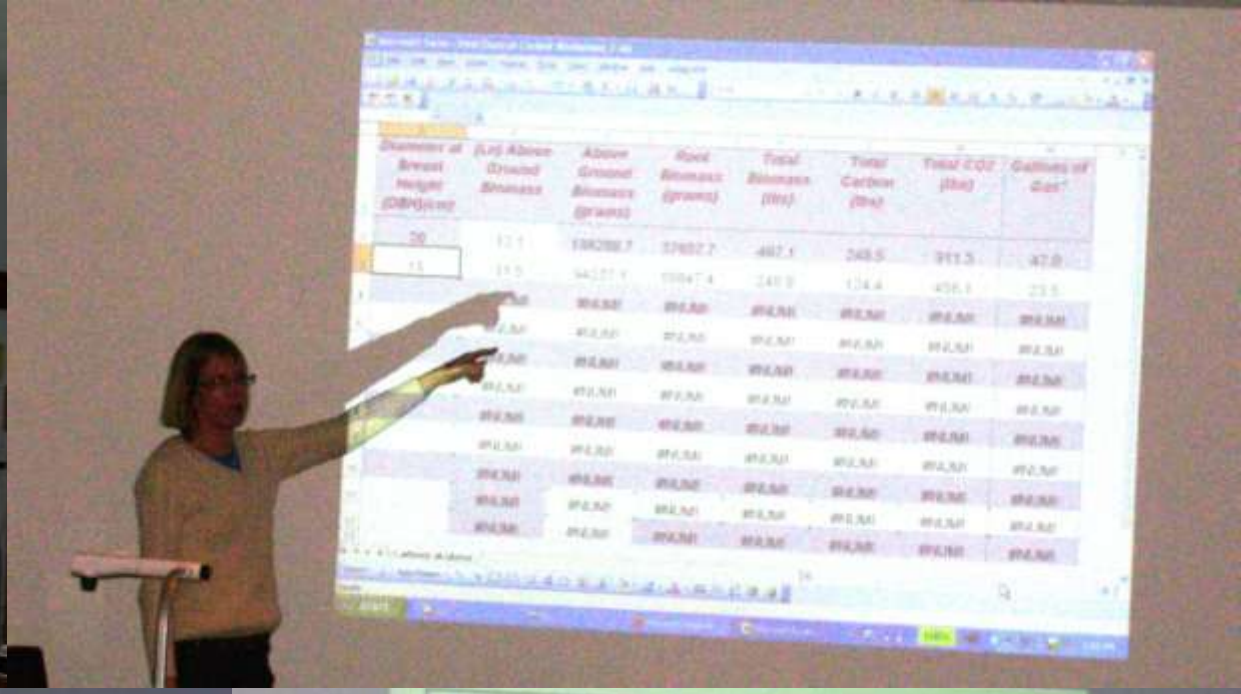

Date of last leaf fall in four trees.
2005
Date of last leaf fall in four trees.
2005

Spring Workshop for Teachers

March 26, 2009

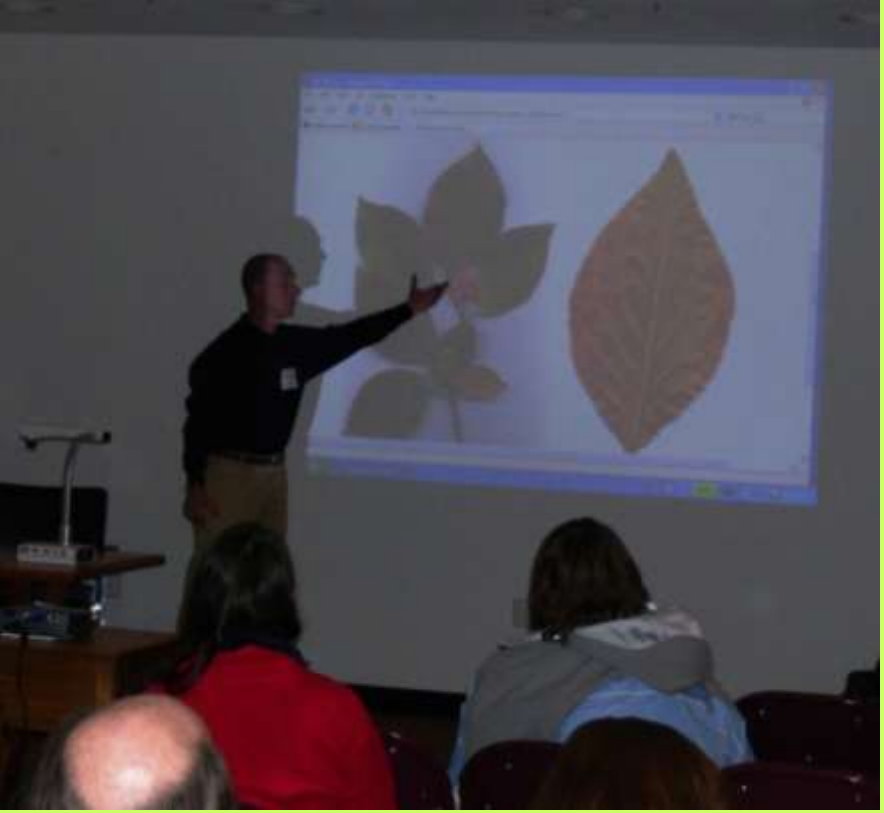
Field Walks

Teacher Presentations




Harvard Forest Science Fair


Do the Classic Draw A Scientist Activity
Give students ½ sheet of paper (because we don't want to kill more trees than we must).
Ask them to draw a scientist. Resist all temptation to give any further directions, except to reassure them that they will not get a "bad grade" for stick figures.
Survey the class...




Mish Michaels' Visit

Ode to John O'Keefe

As he Officially Retires From Harvard Forest and Continues as Schoolyard Ecology Scientist ☺


RESULTS

Gift to JOK from Austin Preparatory School

In the end we will conserve only what we love;

We will love only what we understand;

We will understand only what we have been taught.

-Baba Dioum

Thanks for all you do!

- Schoolyard Teachers and Students
- Millers River Environmental Center,The Nashua River Watershed Association, Massachusetts Audubon Society, USDA Forest Service
- Harvard Forest scientists and staff
- National Science Foundation,

  Schoolyard LTER
- Individual Donors