

Harvard Forest Schoolyard Ecology



Dr. David Orwig, Harvard Forest Ecologist

Real Science

Real Scientists

Real Issues

(Summer Institute 2007
teacher evaluation)

A Look Back into Schoolyard Ecology 2007-2008

by Pamela Snow,
Harvard Forest LTER Schoolyard Coordinator

Photos were contributed by participating Teachers, Coaches and Schoolyard Staff

Collaboration

- **Schoolyard Long Term Ecological Research program, National Science Foundation**
- **Millers River Environmental Center**
- **Nashua River Watershed Association**
- **Massachusetts Audubon Society**
- **Over 60 classes in Public and Private School Districts**
- **Harvard Forest**

Spring 2007



Dr. John O'Keefe, Harvard Forest Ecologist



Nashua River Watershed Association Education Coordinator, Mary Marro (center) presents the NRWA 2007 Education Award to J.R. Briggs Elementary School Teachers, Mary Gagnon (left) and Kate Bennett (right)



Water in the Landscape-Vernal Pool Study

Petersham Center School

Nichole Ruggles and Wendie LeBlanc

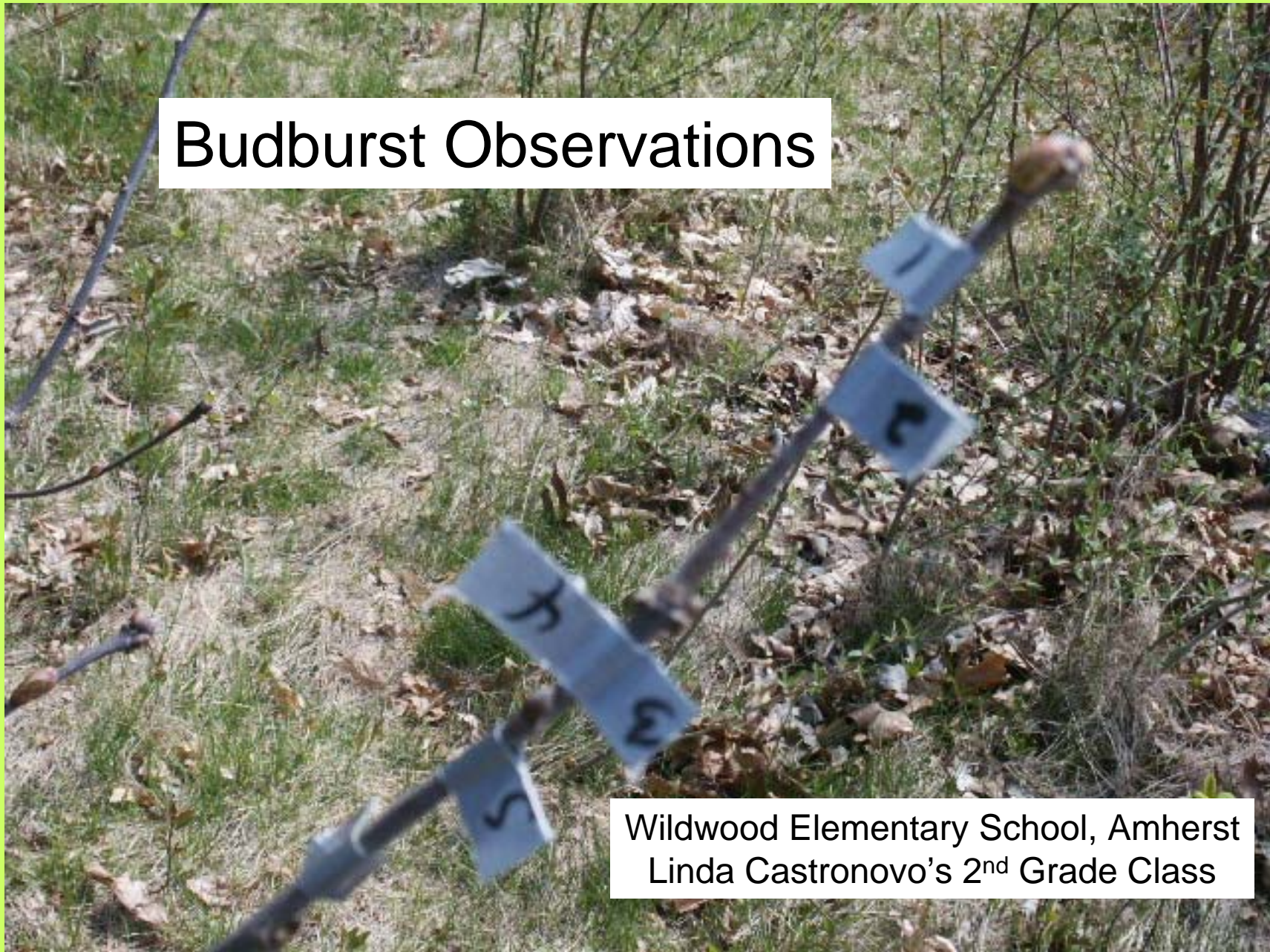




Dr. Dave going the extra mile

School visit to J.R. Briggs
Ashburnham

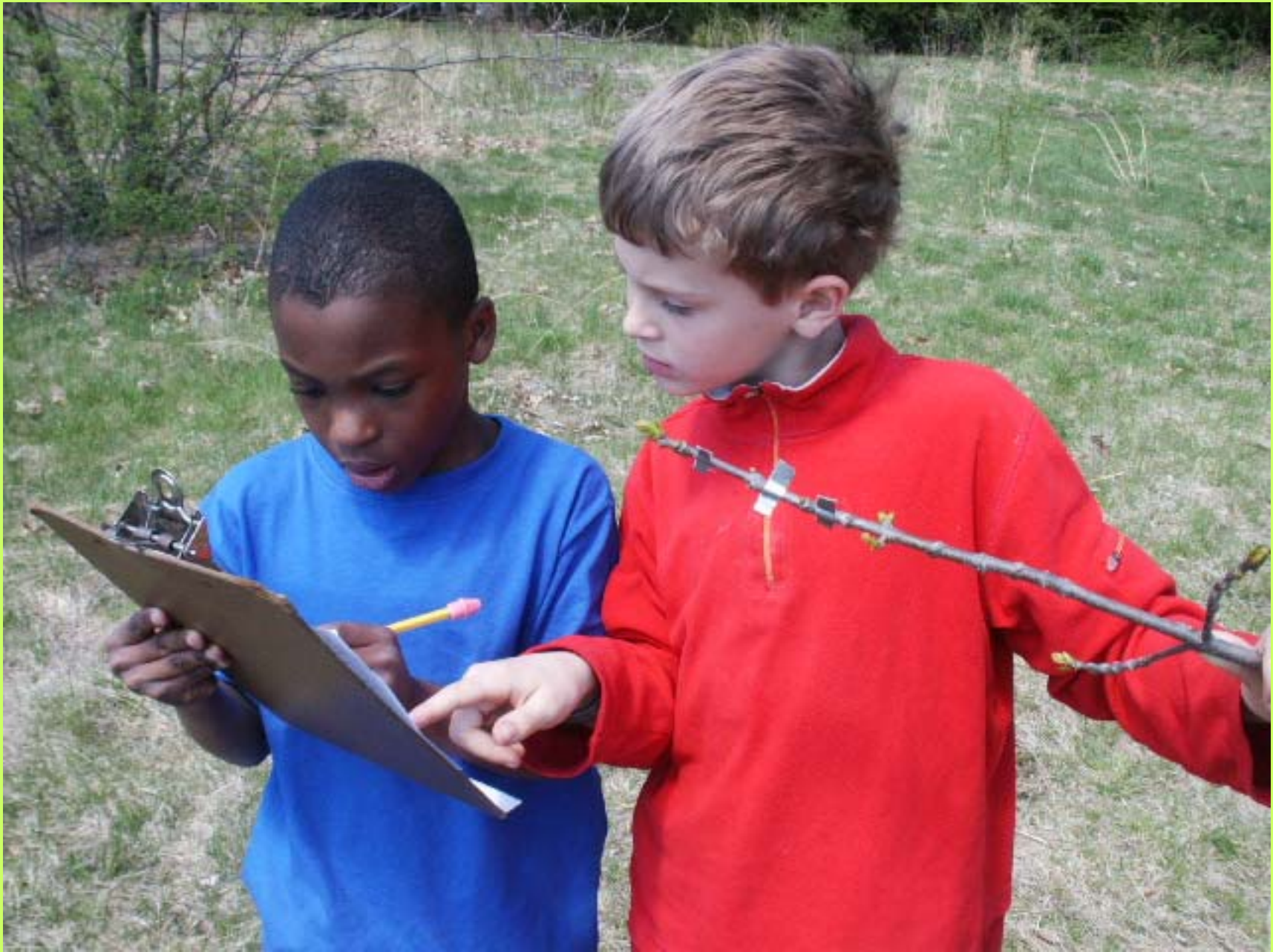
Budburst Observations



Wildwood Elementary School, Amherst
Linda Castronovo's 2nd Grade Class

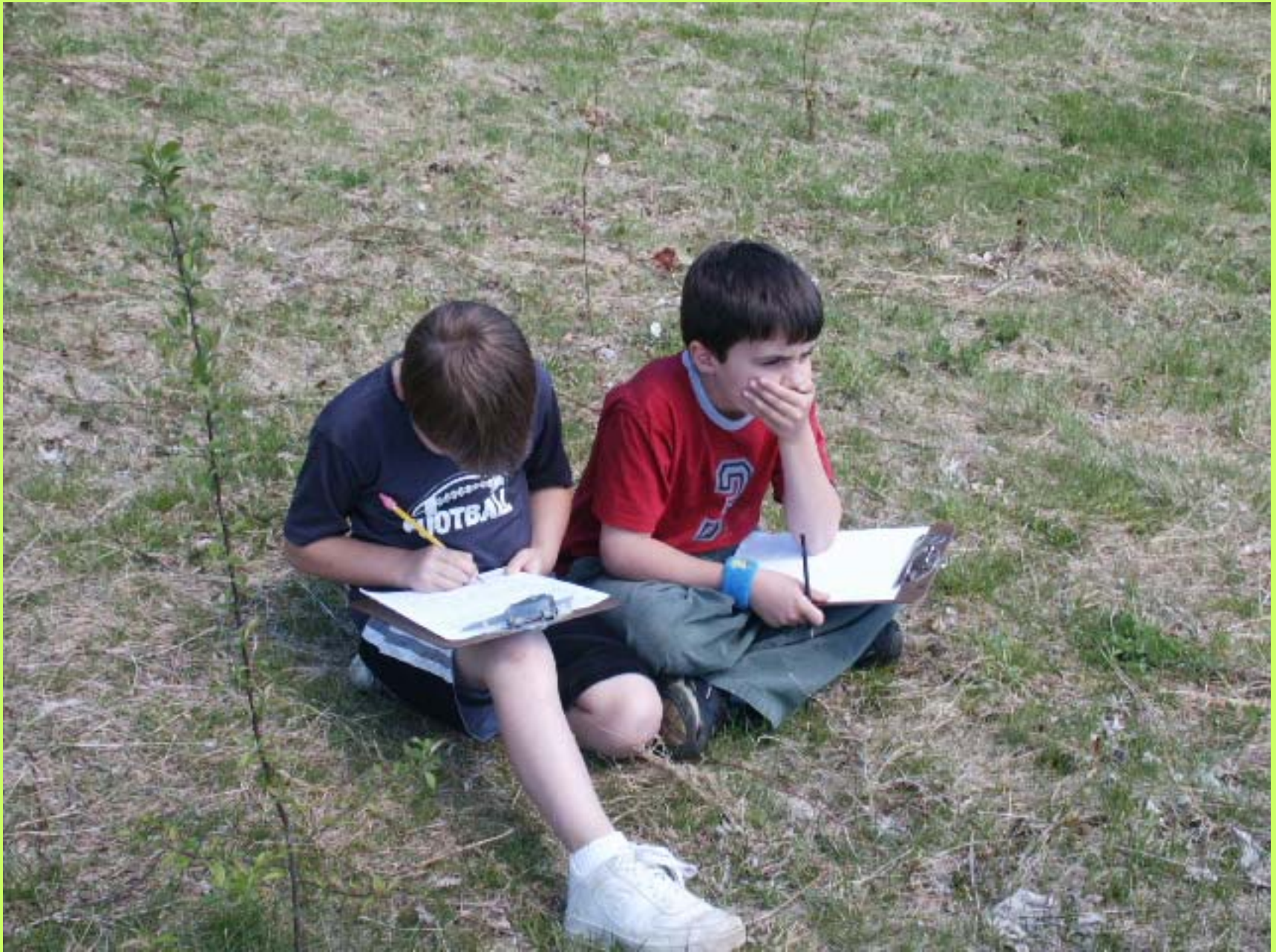








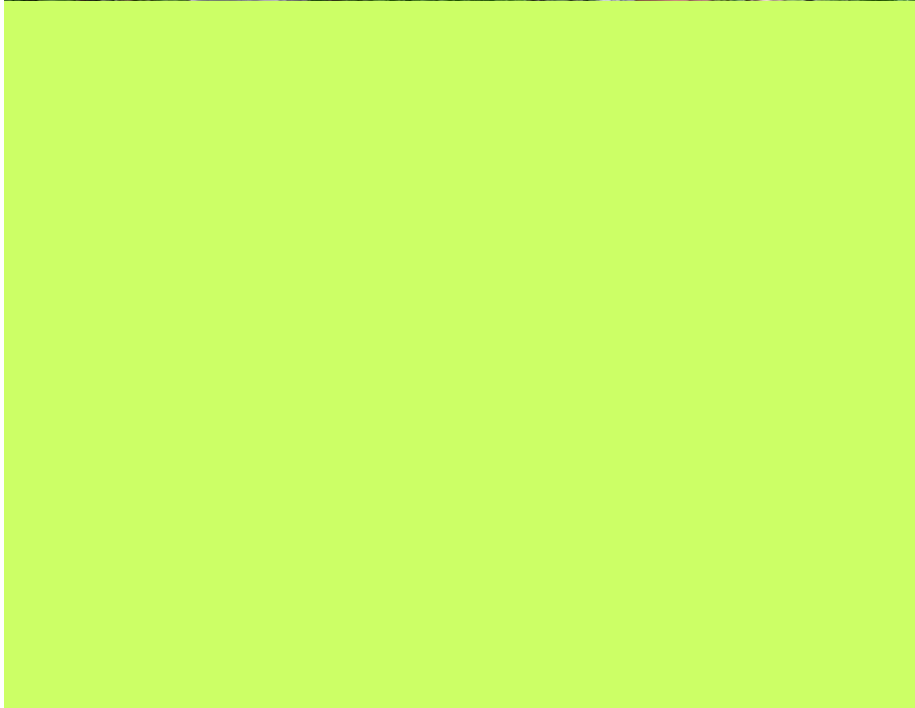
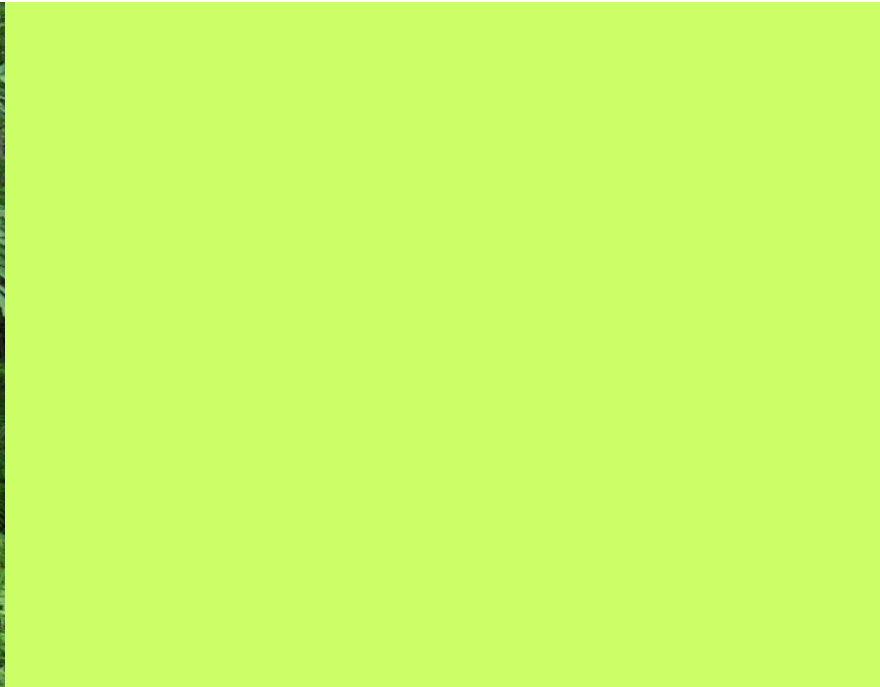




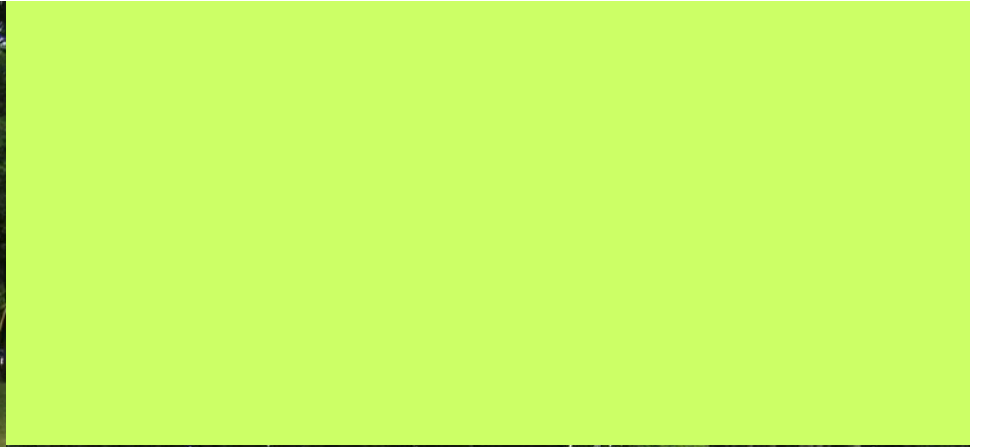
Schoolyard Ecology
Summer Institute for Teachers 2007



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Autumn 2007





Autumn Leaf Observations

Wildwood Elementary School, Amherst
Linda Castronovo's 2nd Grade Class

















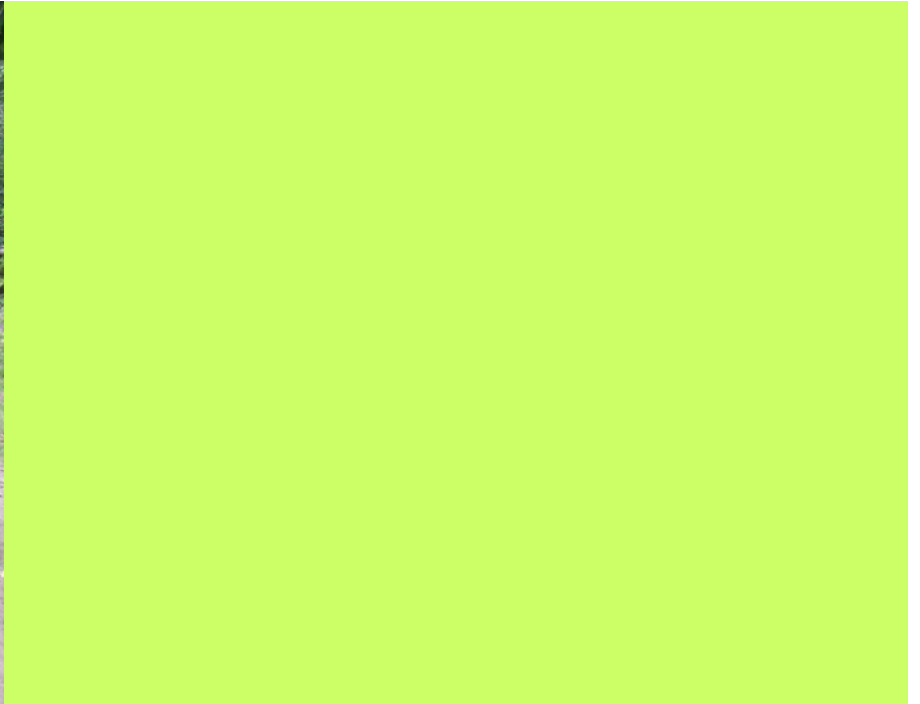




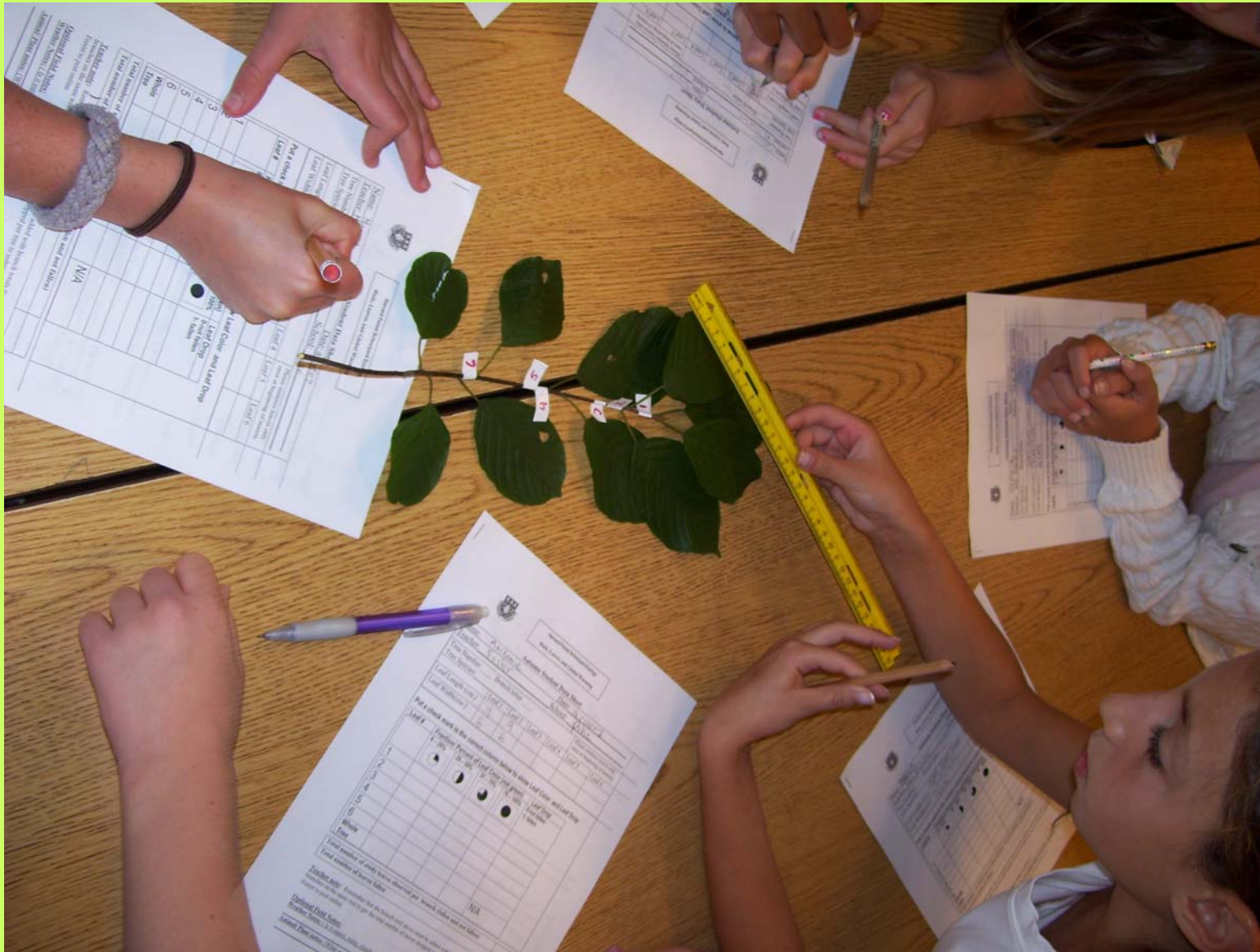
The Common School, Amherst

Meghan Bone









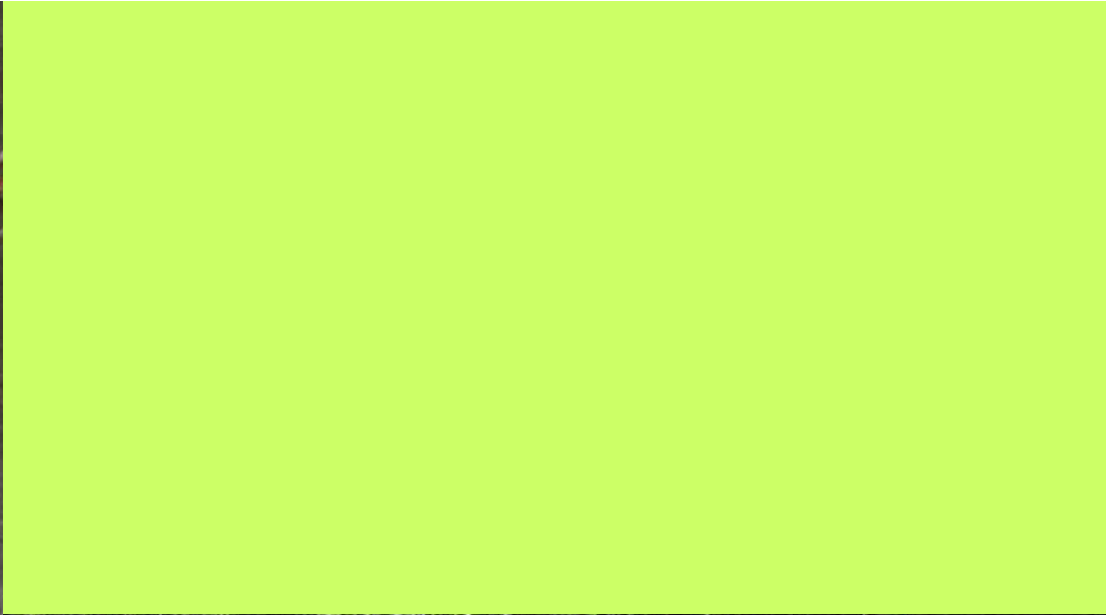
Pike School, Andover
Ian Foster

Fuller Middle School, Framingham
Lisa Shluger











Wildwood Elementary School, Amherst
Michael Silverstone's 2nd Gr. Class





New England Environmental
Education Association Conference
Kate Bennett and Kellie Robichaud



Plot Inventory

JR Briggs Elementary School, Ashburnham
Kate Bennett









Abbott Field Trip to Harvard Forest



Greenfield High School Hemlock Woolly Adelgid Study
Macro to Micro View by Christine Perham







See the Woolly Adelgid Egg Sacs?



Now can you see them?





How about now?



Getting closer! Chris is a techno wiz capturing Magnified woolly adelgid nymphs-wowza!



Adelgid Nymph



What is it?

Data Workshop for Teachers

- Dr. Emery Boose trained teachers in general Data Management.
- Dr. John O'Keefe, Dr. Betsy Colburn, and Dr. David Orwig trained teachers in data entry and data analysis for each protocol group.

Sorry we didn't get pictures this year 😞

Winter 2007-2008



Hemlock Woolly Adelgid Field Study
JR Briggs, Ashburnham-Kate Bennett



Measuring snow depth



Harvard Forest Schoolyard Students Give Presentation to the Mass. Secretary of Energy and the Environment



Kate Bennett and students from the JR Briggs Elementary School in Ashburnham

March 2008



Budburst Preview

Wildwood Elementary School
Amherst



Budburst Field Observations

Wildwood Elementary School, Amherst

Linda Castronovo







Athol Middle School Students at Harvard Forest 2008 Symposium





Fuller Middle School, Framingham
Lisa Shluger





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
- Harvard Forest scientists and staff
- National Science Foundation,
Schoolyard LTER
- Individual Donors