HARVARD FOREST Established 1907 Long Term Ecological Research Site since 1988



Harvard LTER Schoolyard Program

Teacher Developed Lessons and Documents that integrate Harvard Forest Schoolyard Ecology Themes into curriculum.

Title: Starting The Our Changing Forests Project; Year One

Project: Our Changing Forests

Teacher: Judy Gibson

School: Francis W. Parker Charter School

Level: Middle School

Date: April 9, 2015

Our Changing Forests

Francis W. Parker Charter School

Starting the project Year 1

The Site

- An 80 acre wooded hill just behind the school
- Public land designated for education and recreation
- Shared with public disc golf course

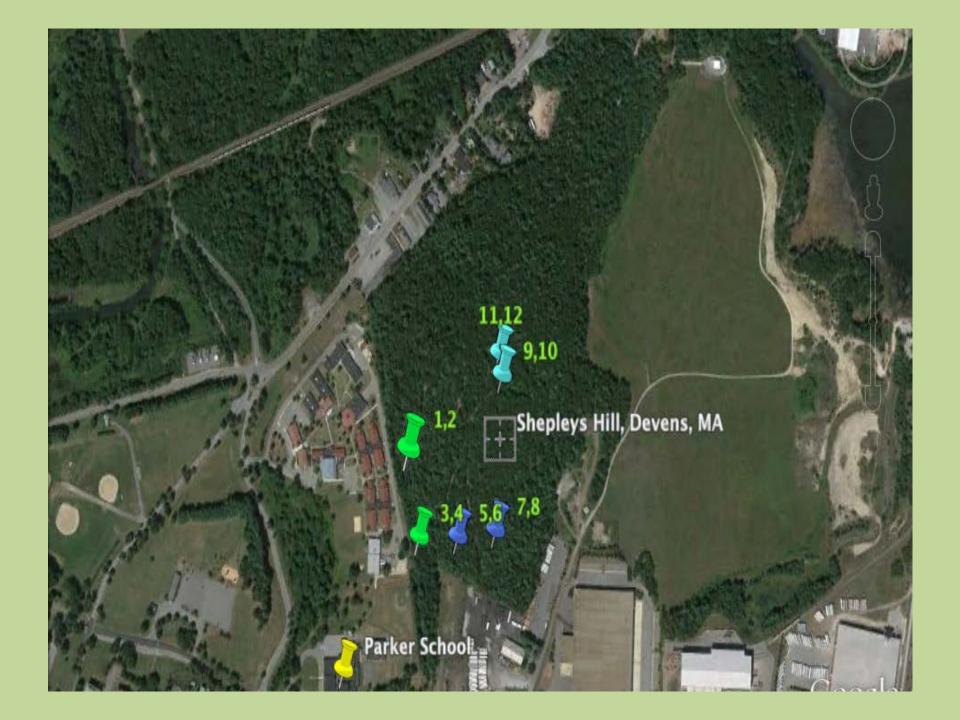


Equity

```
6 classes, 150 students
How can everyone participate?
         12 plots
    =2plots per class
 =12 students per plot
      =Teams of 4:
         Plotters
         Taggers
        Diameters
```

Planning

- Negotiations with the director of the disc golf course
- Walked the hill and agreed on 12 plots that would be off the disc golf courses
- Tried to have plots that were different:
- ecologically
- orientation
- proximity to the school



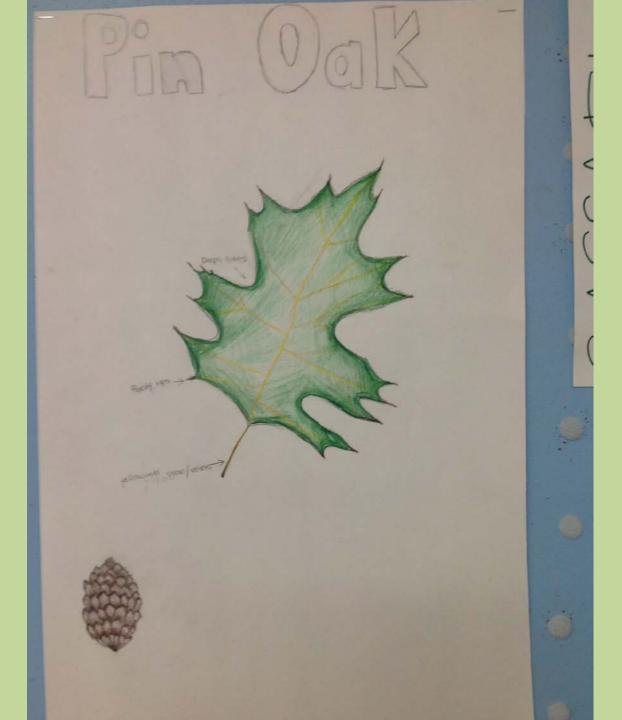
Now for the students

In September

We drew leaf samples of the main tree types found on the hill to familiarize ourselves with them.

Students used field guides to try to identify the species and add features.

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In late September and October

- Each team did a short practice session using the equipment and introducing the techniques
- Then taking 12 kids at a time we took trips up to the plot to stake out the plot, tag the trees and measure the diameter
- Some groups returned later to re-measure

















Final check for accuracy

• I went back up in November, alone, and re-measured all the diameters. Probably about 60% of the student data was accurate.

Next time we practice measuring!