

**List of Accomplishments**  
**Bailey's Elementary School and Forest Service Partnership**  
**FY 2009-2010**

1. Purchases for curriculum enrichment:
  - Added a wind vane to our weather station
  - Purchased owl pellets for 2<sup>nd</sup> grade dissection
  - Algae for 5<sup>th</sup> grade Micro to Macro curriculum
  - 3 Incubators and an ovascope for egg hatching in classroom
  - Wind power generators and volt meters for student investigation
  - Microscope repair for dissecting scopes
  
2. Sponsored Field Trips:
  - First grade trip to Hidden Oaks Nature Center
  - Fourth grade trip to Botanical Gardens
  - Fifth grade trip to the National Aquarium
  
3. Professional Development:
  - Anne and Lynn – Attended Hydropower Workshop
  - Developed curriculum with 5<sup>th</sup> grade teachers at the National Aquarium
  - Anne & Lynn – Smithsonian Naturalist Center in Leesburg
  - Science Museum of Boston – Workshop for 25 teachers held at Bailey's on energy and solar ovens
  
4. Sustainability Efforts:
  - Taught all K class about Reduce, Reuse and Recycle – implemented polystyrene tray reusing and stacking project in the cafeteria, made recycled paper
  - Taught all 1<sup>st</sup> grade students about worm composting – established composting bins in each classroom
  - Taught all 3<sup>rd</sup> and 5<sup>th</sup> grade students about sustainable energy sources – solar, wind and water
  - Installed gutters and rain barrels in raised bed garden and Monarch garden
  
5. Outreach Efforts:
  - Produced video with 5<sup>th</sup> grade students on Big Belly Solar Trash Compactors
  - Presented video at Forest Service Sustainability Summit
  
6. Sponsored Guest Speakers for 2<sup>nd</sup> grade “Animals and Their Habitats” curriculum:
  - Bat rehabilitator
  - Raptor rehabilitator
  - Naturalist on Amphibians and Reptiles
  - Bee Keepers
  - Ocean Animals
  
7. Forest Service Activities:
  - Reading is Fundamental volunteers
  - Family Science Night on Fibers – paper making station
  - FS Geology presentation to 3<sup>rd</sup> grade Spanish immersion classes by Ivette Torres
  
8. Outdoor Classroom Space:
  - Planned and executed installation of a Monarch Butterfly garden

- Completed school yard ecosystem study with 4<sup>th</sup> grade classes and installed six shrubs to attract birds, two trees and miscellaneous perennials
- Completed second of three sections of nature trail
- Installed concrete pad for outdoor classroom. Trailer classroom slated for delivery July 2010
- Newly landscaped front of school with native species

9. Hands on Nature in the Classrooms

- Raised and released over 100 Monarch butterflies in six classrooms K-5
- Implemented animal study in all eleven 1<sup>st</sup> grade classes including:
  - a. Mammals – Rabbits
  - b. Reptiles – Anoles and water turtles
  - c. Amphibians – raised frog & toads from tadpoles
  - d. Birds – raised chicks and ducklings from eggs
  - e. Fish – miscellaneous varieties
  - f. Insects – silk moths
  - g. Composting Worms

10. Garden Activities:

- Raised potatoes with all Kindergarten classes
- Planted with 1<sup>st</sup> grade classes: Journey North tulip bulbs and spring salad gardens
- Raised winter wheat and made bread with all 3<sup>rd</sup> grade classes
- Raised butterfly host plants with 4<sup>th</sup> grade classes
- Started outdoor community garden group to use raised bed to raise vegetables over the summer