

Fear 2 Hope Mentorship

Ferguson Fellowship



By: Alex Arena

The Importance of Public Research

- Public Research Project
 - Focus on education and community outreach
 - Handful of students, faculty, and high school teachers & students involved
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- What was my part to play?
 - Student mentor with a focus on chemistry/photosynthesis



The Reciprocal Study

Several selected schools took on the new challenge of a reciprocal study.

- 10 schools total
 - Measuring climatic impact on seedlings
 - My experience!
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Teacher/School	State
Shannon Payne & Linescia Potts (AAD)	VA
Irma Adams (Hanover)	VA
Claire Adrian-Tucci (CBGS)	VA
Mic Platt (Woodside)	VA
Jennifer Estabrook (AAD)	VA
Audrey Feitor (Medford)	MA
Valerie Finnerty (Littleton)	MA
Stacey Reed (Wayland)	MA
Lou-Anne Conroy (Plymouth S)	MA
Cara Pekarcik (North Quincy)	MA

Collecting Data

Work with students on data collection

- Shannon Payne, Achievable Dream Academy
- 20 trees planted - 10 MA 10 NC
- Measuring height, width, & photosynthetic rate
 - Licor-6800

Encourage interest in research and climate change issues

- Engage in conversation with students about climate change
- Assist in poster creation



The Impact

Two main results I was looking for:

1. Qualitative data from trees
2. Student response to project

