Down to the Roots: Teaching Soil Health to 1st Grade Students

Kolby Grint
Department of Agronomy and Horticulture

Event Objectives

- Correlate activities to what students are currently learning in 1st grade soil curriculum
- Demonstrate to students why and how soil organisms contribute to soil health
- Show students how differences in soil particle size effects soil water storage and availability
- Help students connect the products and food they know or consume with soil and agriculture

Event Planning

- Communicate with Agronomy Club members
- Collaborate with Teachers
- Outline Learning Goals
- Develop Learning Materials
- Implement Plan

Summary & Future Event Plans

- Positive club involvement in the community
- Student feedback indicated the activities were well retained
- Students were engaged and enjoyed all of the activities
- Future programming will include
  - Improving communication and planning with teachers
  - Better alignment with what students are already learning in the classroom
  - Expanding the outreach to more Lincoln Public School Elementary Schools

Student Responses

- Thank you for teaching me about soil
- I liked digging in the soil

Acknowledgement

This project was made possible through collaboration with 1st grade teachers at Kloefkorn Elementary School, Lincoln, NE. Appreciation is extended to UNL Agronomy Club, Shawn McDonald, Katie Harrell, Samantha Teten, Rodger Farr, Moriah Heerten, Paige Wacker, Chad Lammers, Kristen Albrecht, and faculty mentor, Martha Mamo.

References