

FIRST STEP

Farm Science Review

The following is a list of suggested standards that apply to educational posters in the First Step Program.

Ohio Agriculture and Environmental Systems Career Field Technical Content Standards

History of Corn

- 8.2.4. Select seeds and seed stock for desired traits.
- 8.2.5. Select and apply methods that create desired traits in seeds.
- 8.4.11. Understand and evaluate the process by which plants are selected.

History of Tractors

- 4.1.12. Compare alternative sources of power for equipment.
- 4.2.2. Differentiate among the functions, limitations and proper use of equipment, equipment controls and instrumentation.
- 4.7.2. Describe the physical and mechanical principles of mechanical, hydraulic, pneumatic and electrical power transfer

Turfgrass Selection

- 8.2.4. Select seeds and seed stock for desired traits.
- 8.4.3. Identify and classify seeds and plants at all stages of growth.
- 8.4.8. Understand the influence of environmental factors on plant growth, development and maintenance
- 8.4.11. Understand and evaluate the process by which plants are selected.
- 8.4.17. Recognize plant disease symptoms, prevention, avoidance and treatments.

Unmanned Aerial Systems

- 1.4.3. Verify compliance with security rules, regulations and codes (e.g., property, privacy, access, accuracy issues, client and patient record confidentiality) pertaining to technology specific to the industry pathway.
- 1.4.5. Use information technology tools to maintain, secure and monitor business records.
- 5.5.1. Interpret and evaluate the accuracy of digital imagery and aerial photography.
- 8.1.8. Calculate nutrient requirements and select nutrient sources and additives for optimum economic return.
- 8.1.10. Select the methods and time of nutrient application and apply nutrients.
- 8.4.17. Recognize plant disease symptoms, prevention, avoidance and treatments.

Wildlife ID: Ohio's Mammals

- 2.2.1. Describe external anatomical parts and their functions
- 6.11.6. Survey and monitor species within a habitat.