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.