



**Merrick County Fair Pre-Entry Form**  
**Science Engineering and Technology Entries – 2018**  
**DUE JULY 10**



First and Last Name of Exhibitor: \_\_\_\_\_

4-H Age (as of January 1): \_\_\_\_\_ 4-H Club \_\_\_\_\_ FFA Chapter: \_\_\_\_\_

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**Please check the appropriate box for classes.**

**General:**

- HL-900-001. Hard Luck
- H-930-001. Careers Interview

**WOODWORKING** - one entry per class number.

- H-911-020. Article: Measuring Up
- H-911-030. Article: Making the Cut
- H-911-001. Article: Nailing It Together
- H-911-002. Display: Nailing It Together
- H-911-003. Recycled Display: Nailing It Together
- H-911-004. Article: Finishing It Up
- H-911-005. Display: Finishing It Up
- H-911-006. Recycled Display: Finishing It Up

**WELDING**- one entry per class number.

- H-920-001. Welding Joints
- H-920-002. Position Welds
- H-920-003. Welding Article
- H-920-004. Welding furniture
- H-920-005. Plasma Cutter/Welder Design
- H-920-006. Other - Forging, Welding, Blacksmithing, etc.

**ELECTRICITY** - one entry per class number.

- H-870-020. Bright Lights.
- H-870-021. Control the Flow
- H-870-022. Conducting Things
- H-870-023. Is There a Fork in the Road
- H-870-024. Other project using skills from Unit I.
- H-870-025. Case of the Switching Circuit
- H-870-026. Rocket Launcher
- H-870-027. Stop the Crime
- H-870-001. Electrical Tool/Supply Kit
- H-870-002. Lighting Comparison
- H-870-003. Electrical Display/Item
- H-870-004. Poster
- H-870-005. Electrical/Electronic Part Identification
- H-870-006. Electronic Display
- H-870-007. Electronic Project
- H-870-008. Electronic Poster
- H-870-009. Toy Electric Motor from Pre-Manufactured Kit
- H-870-010. Electronic Equipment made from a purchased pre-manufactured kit.

## Science Engineering and Technology Entries – 2018 continued

### **AEROSPACE** - one entry per class number.

- H-850-030. Rocket Level 1
- H-850-031. Rocket Kit Level 1
- H-850-001. Rocket Level 2
- H-850-002. Display Level 2
- H-850-003. Rocket Level 2
- H-850-004. Rocket Level 3
- H-850-005. Display Level 3
- H-850-006. Rocket Level 3
- H-850-007. Rocket Level 4
- H-850-008. Display Level 4

### **ROBOTICS** - one entry per class number.

- H-861-001. Robotics Poster
- H-861-002. Robotics Notebook
- H-861-003. Robotics Video
- H-861-004. Robotics Careers Interview
- H-861-005. Robotics Sensor Notebook
- H-861-006. Build a Robot (may use kit)
- H-861-007. Kit Labeled Robot (cannot be programmed)

### **JUNK DRAWER ROBOTICS** - one entry per class number.

- H-865-001. Marshmallow Catapult
- H-865-002. Balance Beam Design
- H-865-003. Robot Arm
- H-865-004. Gripper
- H-865-005. Put It All Together
- H-865-006. Clip Mobile
- H-865-007. Can-Can Robot
- H-865-008. Es-Car-Go
- H-865-009. Underwater ROV
- H-865-010. Switch
- H-865-011. Robot
- H-865-012. Breadboard
- H-865-013. Robot

### **GEOSPATIAL** - one entry per class number.

- H-880-001. Poster
- H-880-002. 4-H Favorite Places or Historical Site Poster
- H-880-003. GPS Notebook
- H-880-004. Geocache
- H-880-005. Agriculture Precision Mapping
- H-880-007. 4-H History Map
- H-880-008. GIS Thematic Map
- H-880-010. Careers Interview

## Science Engineering and Technology Entries – 2018 continued

### ALTERNATIVE/RENEWABLE ENERGIES

- H-900-001. Create and Compare Energy Resources Poster
- H-900-002. Experiment Notebook
- H-900-003. Soleras Energy Display
- H-900-004. Water as Energy Display
- H-900-005. Wind as Energy Display
- H-900-006. Other Nebraska Alternative Energy

### COMPUTERS- one entry per class number.

- H-860-001. Computer Application Poster
- H-860-002. Produce a Computer Slideshow Presentation
- H-860-004. Produce an Audio/Video Computer Presentation
- H-860-005. How to STEM (Science, Technology, Engineering and Math) Presentation
- H-860-006. Create a Web Site/Blog or App
- H-860-007. 3D PRINTING Unique Items
- H-860-008. 3D Printing Prototypes
- H-860-009. 3D Pen Creation