

## Central IV County Fairs Premium List

### SMALL ENGINES

The name and county of each Science, Engineering and Technology exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks. One exhibit per class unless otherwise noted. Several classes require a display board which should be a height of 24" and not exceed 1/4" in thickness. A height of 23 7/8" is acceptable to allow for the saw kerf (width) if two 24" boards are cut from one end of a 4'x8' sheet of plywood. Nothing should be mounted within 3/4" of the top or bottom of the board. Fabricated board such as plywood, composition board, or particle-type lumber may be used for display boards. Display boards should be sanded and finished to improve their appearance. The finish on a display board will be judged as a woodworking exhibit. Display boards should include an overall title for the display, plus other necessary labeling. All reports should be computer generated, enclosed in a clear, plastic cover, and attached securely to the display. Reports should be written using the scientific method whenever possible (background, the question or hypothesis, what you plan to do and what you did, method used and observations, results, what you learned).

#### Division 890: Small Engines\*

##### Unit 1: Crank It Up

**\*H890001 - Small Engine Display/Item.** Show one concept learned in Unit 1. May be a poster display or actual item.

##### Unit 2: Warm It Up

**\*H890002 - Small Engine Display/Item.** Show one concept learned in Unit 2. (Ex: comparison of engine oil types, transmissions, or safety related to engines.) May be a poster display or actual item.

##### Unit 3: Tune it Up

**\*H890003 - Small Engine Display/Item.** Show one concept learned in Unit 3. (Examples: diagnostic tools, fuel systems, ignition systems.) If a complete engine is exhibited it will not be started. However, display needs to report process of building/rebuilding engine and how/where engine will be utilized (i.e. lawn mower, weed eater, snow blower, etc.).

**\*class exhibited at county fair only — not eligible for state fair**

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**Sherman County** • Box 459 • Loup City NE 68853-0459 • 308-745-1518 • [Sherman-County@unl.edu](mailto:Sherman-County@unl.edu)  
**Valley County** • 801 S Suite 1 • Ord NE 68862-1857 • 308-728-5071 • [Valley-County@unl.edu](mailto:Valley-County@unl.edu)

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