

The county fair . . . what a great time it is! Every summer, families flock to county fairs to see the latest 4-H project exhibits. Exhibiting is a fun way for you to showcase your project work. Here are some exhibiting ideas for you.

### **Suggested County Fair Small Engine Exhibits**

The following list of exhibit ideas is based on the latest 4-H curriculum. Use it to generate project entries for your next county fair. If you're a county fair superintendent, use this list to enhance your county fair premium book.

#### **Level 1: Crank It Up**

1. Parts of a small engine
2. How to start a small engine
3. Tools for working with small engines
4. Engine oil grades
5. Air filters or cleaners
6. Cooling systems
7. Spark plug maintenance
8. Air cleaner maintenance
9. Safety labels
10. Safety rules when using small engines
11. Small engine machines and tools
12. Small engine-related careers
13. Comparison of tool prices
14. Completed member guide (08186)

#### **Level 2: Warm It Up**

1. Small engine types
2. Internal small engine parts
3. Specialty tools for working with small engines
4. How to determine engine size
5. Engine compression
6. Carburetor adjustments
7. Steps in disassembling a small engine
8. Steps in seasoning a small engine
9. Transmission of power in a small engine
10. Types of lawn mowers
11. How to set lawn mower height
12. Mowing safety rules
13. Comparison of small engine machine part prices
14. Small engine businesses
15. Completed member guide (08177)

#### **Level 3: Tune It Up**

1. Engine sounds
2. Diagnostic tools
3. How to disassemble and assemble an engine's fuel and air system
4. How to disassemble and assemble an engine's electrical system
5. How to disassemble and assemble an engine's base
6. Lawn mower maintenance
7. Trends in the small engines industry

8. Local small engine machine laws and regulations
9. Engine replacement
10. Comparison of small engine machine prices
11. My small engine business plan
12. Completed member guide (08178)