

DIVISION 915: SMALL ENGINES

Superintendent:

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Exhibits are entered on Tuesday, August 3rd, from 10 am to 8 pm at the Clark County Fair Grounds in the Event Center Exhibit Hall A – 4-H Still Exhibit Area.

RULES & REGULATIONS:

Exhibitors must be enrolled in the 4-H Small Engine project. This division includes small engines, automotive parts and tools, and lawn mowers.

Small Engines Project Online Site:

<http://extension.wsu.edu/4h/publications/engineering/Pages/project.aspx?PID=HCG> or
<http://www.4-h.org/resource-library/curriculum/4-h-small-engines/> Exhibits will be judged on individual merit using the following criteria:

1. What the member has learned.
2. How the display communicates to the public what was done.
3. Workmanship of basic skills. Include a sufficient explanation either in writing, or orally, to the judge to explain how the exhibit was made or what was done.

Points: Blue 10, Red 8, White 6.

CLASS 1:

Members may exhibit self-made wall charts 15"x20" inches showing basic engine functions or safety factors.

- A. Cooling systems
- B. Filtering of oil or air
- C. Carburetor
- D. Ignition
- E. Total operational costs
- F. Major cause of accidents

CLASS 2:

Example of sheet metal repair or refinishing with successive applications on strip of sheet metal 15"x20".

CLASS 3:

Exhibit of defective brake parts - including drum section - labeled and mounted on board - maximum size 15"x 20".

CLASS 4:

Tire tread sections (3 inches wide) showing under-inflation, over-inflation, and faulty wheel alignment - all labeled and mounted on panel 15"x20".

CLASS 5:

Breakdown display of small engine parts on plywood panel. Minimum size 24"x30" to 4'x8' maximum.

CLASS 6:

Basic tool set on board, maximum size 15"x20".

CLASS 7:

Examples of tool defects (4 pieces).

CLASS 8:

Demonstrate the difference between renewable and non-renewable energy.

CLASS 9:

Demonstrate why energy costs money.

CLASS 10:

Any other project or exhibit related to project work showing initiative, originality, and accomplishment. Points awarded by judge.