

Mechanical Science Guidelines

Bulletins and plans for this department are available at the 4-H office.

Automotive: Educational Exhibit

Bicycle: Educational Exhibit

Electrical Science

Classes:

- 2 simple articles
- 2 more advanced articles
- 1 more advanced article

Electronics

Classes:

- 1 item constructed equipment
- 1 item more advanced
- 1 item more advanced

Small Engines

Classes:

- (2 cycle) poster showing ideas learned.
- (4 cycle) poster showing ideas learned.
- Engine plus story telling what happened (re-conditioning, parts replaced, etc.).
- Engine power application (show project worked on: ie, grinder, generator, saw, compressor, etc.).

- Completely overhauled engine with story of reconditioning, adjustments, etc.

Tractor

Classes:

- Exhibit including Book 1
- Exhibit including Book 2
- Educational Exhibit

Welding

Note: Members should be 10 or 11 years old to start. Members may enter one single project AND a group or club project.

Classes:

- Apprentice-3 types of welds
- Handyman-2 useful articles
- Craftsman-1 completed article