

SCIENCE, ENGINEERING & TECHNOLOGY

5 entries per class

Must be entered in <https://bremer.fairentry.com> by July 1st

Judging: Saturday, July 24th, 8:00 am to 1:30 pm

Department: Statics

Division: 106: Science, Engineering and Technology

Class:

- 10610 Mechanics** - Any exhibit that shows skills or learning about general mechanics or engineering solutions or that involve a combination of skills.
- 10612 Automotive** - Repaired or restored vehicle or educational display showing learning about an automotive idea including automotive maintenance, auto operations, auto safety, or automotive systems. **(Note: vehicles will be on display at the Iowa State Fair one day only, (tentatively) Thursday August 12.)**
- 10614 Electric** - Constructed or repaired article or educational display that shows skills or learning about electric wiring, appliances, lighting, electrical energy sources, safety, etc.
- 10615 Small Engine** - Repaired or restored operating engine or educational display or other type exhibit that shows skills or learning about small engines. This class includes repaired or restored lawn tractors, small motorcycles, go-karts, etc.
- 10616 Tractor** - Repaired or restored tractor (or educational display showing learning related to tractors, tractor mechanics, tractor operations, or tractor safety. Note: A conference judging opportunity for exhibitors of repaired or restored tractors in class 10616 will be offered during exhibit check-in. (Conference judging may not be available during all check-in times.) Tractors will be displayed outside throughout the Iowa State Fair. Release time Sunday, August 22, after 7:00 p.m.)
- 10618 Welding** - Constructed item or educational display that shows skills or learning about welding.
- 10620 Woodworking** - Any exhibit that shows learning about wood, woodworking techniques, and safe uses of woodworking tools and machines. Exhibits may include newly constructed or refinished/reclaimed/restored wood items.
- 10630 Science, Engineering & Technology** - Any exhibit that shows learning about or helps explain how science and technology help us interact with the world. Topics include, biological and chemical sciences, computers & networking, earth & climate, geospatial mapping (GPS/GIS), or any other application of Science, Engineering, or Technology.
- 10632 Aerospace** – Educational display or other exhibit (including flyable models) showing learning about an aerospace idea or topic.
- 10634 Robotics** – Educational display or other exhibit (including working robots) that shows learning about robotics and robotic systems.

*Science, Engineering &
Technology Special Rule:*

- 1. Exhibitors entered in the 4-H Science, Engineering & Technology classes may not enter in similar FFA Ag Mechanics classes and vice-versa.*