

Certificate - created by you (can use graphics or images)
 Create artwork using computer graphics or pictures
 Greeting card - created by you (can use graphics or images)
 you have created, all original drawing
 Poster - created by you (can use graphics or images)
 Shirt design - must put onto a T-shirt (can use graphics or images)

CLASS - OTHER
All posters 11"x14

ENTRY

2D Animation
 3D Animation
 3D Model
 Simple computer game written by exhibitor
 History of computers - poster
 Social Media etiquette and safety – poster
 Spreadsheet showing income & expense (invent data or use for another 4-H project such as livestock or non-livestock project)
 Website, designed by you - include home page of website and its URL

DIVISION J - JUNIOR
Department 122 – Woodworking
Superintendent – Nancy Tisdale

- In Woodworking entries, each article should have an appropriate finish for the intended use of the article.
- If entering a large article, such as a piece of furniture or picnic table, please let the fair office know.
- Large items may have to be exhibited outdoors in a contained area.
- **All posters must be 14"x22".**
- **Only one (1) item per entry**
- **All entries must include an index card describing the article and its use.**
- Index Card should have the following information;
 - Type of wood
 - Tools used to make article
 - Kind of finish
 - Purpose/use of article
 - Time spent making the project

CLASS - WOODWORKING PROJECTS - Grades 3-5

CLASS - WOODWORKING PROJECTS - Grades 6-8

CLASS - WOODWORKING PROJECTS - Grades 9-13

Premiums: 1st - \$2.00; 2nd - \$1.75; 3rd - \$1.50; 4th - \$1.25

ENTRY

Birdhouse or bird feeder
 Building article for use other than home
 Creative design from wood or wood and other material
 Farm use article
 From a kit article
 Furniture or cabinet making article
 Home use article
 Outdoor use article
 Poster on shop safety
 Poster on woodworking tools and their use
 Repair or refinished article
 Toy or homemade game

DIVISION J - JUNIOR
Department 123 – Electricity
Superintendents – Nancy Tisdale

All posters must be 14"x22"

PREMIUM SCHEDULE

Electricity Project - Grades 3-5

Premiums: 1st - \$2.00; 2nd - \$1.75; 3rd - \$1.50; 4th - \$1.25

Electricity Project - Grades 6-8

Premiums: 1st - \$2.50; 2nd - \$2.25; 3rd - \$2.00; 4th - \$1.75

Electricity Project - Grades 9-13

Premiums: 1st - \$3.00; 2nd - \$2.75; 3rd - \$2.50; 4th - \$2.25

CLASS - ELECTRICITY PROJECT - Grades 3-5

CLASS - ELECTRICITY PROJECT - Grades 6-8

CLASS - ELECTRICITY PROJECT - Grades 9-13

ENTRY

Any other low voltage or magnetic device
 Any piece of homemade electrical device
 Circuit board
 Demonstration board with 3-way or 4-way switches
 Electric question board
 Electric wires and cables display
 Homemade extension cord
 Homemade buzzer
 Homemade lamp or lighting unit
 Homemade electric motor
 Poster on electrical safety
 Trouble light

DIVISION J - JUNIOR
Department 124 – Mechanical Sciences
Superintendent – Nancy Tisdale

All posters must be 11"x14"

- Only one (1) item per entry in all classes

Premiums for all classes:

1st - \$2.00; 2nd - \$1.75; 3rd - \$1.50; 4th - \$1.25

CLASS - AEROSPACE - Grades 3-7

CLASS - AEROSPACE - Grades 8-13

ENTRY

Balsa-wood flying model airplane
 Hand-drawn chart showing parts of a model rocket
 Model airplane with gasoline engine constructed by exhibitor
 Model glider kit, assembled by exhibitor
 Model helicopter kit, assembled by exhibitor
 Model rocket constructed by exhibitor, no kits
 Model rocket kit, assembled by exhibitor
 Model space vehicle kit, assembled by exhibitor
 Plastic model airplane kit, glued together, assembled by exhibitor
 Plastic model airplane kit, snap together, assembled by exhibitor

Poster showing airplane types and uses
Scrapbook showing activities participated in

CLASS – AUTOMOTIVE

ENTRY

Exhibit of automotive board
Exhibit showing cost of owning a car
Periodic lubrication and/or maintenance chart of an automobile
Poster on automotive safety

CLASS - BICYCLE

ENTRY

Exhibit of automotive board
Exhibit showing cost of owning a car
Periodic lubrication and/or maintenance chart of an automobile
Poster on automotive safety

CLASS - DIORAMAS - Grades 3-5

CLASS - DIORAMAS - Grades 6-8

CLASS - DIORAMAS - Grades 9-13

- No more than one entry may be made by one exhibitor in this division.
- Largest scale to be used is 1/12 (1 inch equals 1 foot).
- Each exhibit must be accompanied by a minimum of 3"x5" card with the following information:
 - Diorama Title
 - Difficulty in building the diorama
 - Any help in building it
 - Specify any customized pieces and whether those pieces were purchased or customized by exhibitor
 - Explain the activity in your diorama - may use separate page to explain
- Dioramas will be limited in size to a maximum of 3'x4'

Definitions:

Scratch Built - buying or making individual parts and building a scale model

Custom Built - starting with a kit or a model and completely changing or modifying its appearance

Kit - bashed - taking two or more kits and combining them into one scale model

ENTRY

Any other diorama, kit
Any other diorama, scratch built, custom built, or kit-bashed
Diorama of agricultural items, built from a kit
Diorama of agricultural items, scratch built, custom built or kit-bashed
Diorama of miniature dwelling(s), (doll houses, etc.) and/or furnishings, built from a kit
Diorama of miniature dwelling(s), (doll houses, etc.) and/or furnishings, scratch built, custom built, or kit bashed

CLASS - GEOSPATIAL - Grades 3-7

CLASS - GEOSPATIAL - Grades 8-13

ENTRY

Poster explaining the coordinate-grid reference system
Poster or display on types of geographical tools
Themed geocache packaged in watertight container

CLASS - HANDYMAN - Grades 3-13

All projects must include an attached statement describing work done and method used.

ENTRY

Booklet showing work done to improve or repair a structure, room, vehicle
Poster on how to fix a leaky faucet
Repaired, refinished, or constructed article for sport or recreation purpose
Repaired, refinished, or constructed article for use in the workshop
Repaired, refinished, or constructed article for use outdoors

CLASS - K'NEX - Grades 3-5

CLASS - K'NEX - Grades 6-8

CLASS - K'NEX - Grades 9-13

- Small K'nex **MUST BE** in a box or on a lid or cookie sheet that is proportional to the project for ease in handling and displaying.
- No larger than 2'x3' board please. In cases where a larger board is needed, contact the fair office prior to entry day
- State the number of pieces in your item on an index card.

ENTRY

Freestyle - Aerospace (airplane, rocket, etc.)
Freestyle - Animal
Freestyle - Any other, not listed
Freestyle - Aquatic (boat, submarine, etc.)
Freestyle - Building (doll house, firehouse, etc.)
Freestyle - Dinosaurs
Freestyle - Motorized
Freestyle - Moving parts, not motorized
Freestyle - Robotics
Freestyle - Trains
Freestyle - Vehicle (car, truck, etc.)
Kits - Aerospace (airplane, rocket, etc.)
Kits - Animal
Kits - Any other, not listed
Kits - Aquatic (boat, submarine, etc.)
Kits - Building (doll house, firehouse, etc.)
Kits - Dinosaurs
Kits - Motorized
Kits - Moving parts, not motorized
Kits - Robotics
Kits - Trains
Kits - Vehicle (car, truck, etc.)

CLASS - LEGOS- Grades 3-5

CLASS - LEGOS - Grades 6-8

CLASS - LEGOS - Grades 9-13

- Small LEGOS **MUST BE** in a box or on a lid or cookie sheet that is proportional to the project for ease in handling and displaying.
- No larger than 2'x3' board please. In cases where a larger board is needed, contact the fair office prior to entry day.
- State the number of pieces in your item on an index card.

ENTRY

Freestyle - Aerospace (airplane, rocket, etc.)
Freestyle - Animal
Freestyle - Any other, not listed
Freestyle - Aquatic (boat, submarine, etc.)

Freestyle – Botanicals -Flowers
 Freestyle – Botanicals - Plants
 Freestyle - Building (doll house, firehouse, etc.)
 Freestyle - Dinosaurs
 Freestyle – Motorized
 Freestyle – Moving parts, not motorized
 Freestyle - Robotics
 Freestyle - Trains
 Freestyle - Vehicle (car, truck, etc.)
 Kits - Aerospace (airplane, rocket, etc.)
 Kits - Animal
 Kits - Any other, not listed
 Kits - Aquatic (boat, submarine, etc.)
 Kits – Botanicals – Flowers
 Kits – Botanicals - Plants
 Kits - Building (doll house, firehouse, etc.)
 Kits - Dinosaurs
 Kits – Motorized
 Kits – Moving parts, not motorized
 Kits - Robotics
 Kits - Trains
 Kits - Vehicle (car, truck, etc.)

CLASS - MODELS- Grades 3-7
CLASS - MODELS - Grades 8-13

ENTRY

Any other metal model
 Any other model, not plastic or metal
 Any other plastic model, from a kit
 Any other plastic model
 Model car, metal, glued together
 Model car, metal, most pieces snap together
 Model car, original design, not plastic
 Model car, original design, plastic
 Model car, plastic, most pieces snap together
 Model car, plastic, pieces glued together
 Model motorcycle, from a kit
 Model ship, from a kit
 Model submarine or tank, from a kit
 Model truck, from a kit

CLASS - ROBOTICS - Grades 3-7

ENTRY

Basic Tankbot, from scratch
 Basic Tankbot, kit
 Tankbot navigates a maze
 Tankbot stops, using a touch sensor
 Tankbot stops, using both touch and light sensor
 Tankbot stops, using light sensor

CLASS - ROBOTICS - Grades 8-13

ENTRY

Robot follows a line, using loops
 Robot goes forward and backward
 Robot grips soda can and returns to starting point
 Robot, from a kit
 Robot, from scratch
 Robotic gripper that exhibitor built
 Types of gears

CLASS - SMALL ENGINES

ENTRY

Exhibit of small engine with a minimum of 15 parts identified as to function
 Panel showing diagram of ignition system, or fuel system, or lubrication system (actual parts may be used)
 Panel showing worn or faulty engine parts with a statement as to cause and prevention
 Poster illustrating correct steps in preparing a small engine for off-season
 Poster illustrating steps in a small engine service job
 Poster showing the events in a four-cycle engine with a brief explanation
 Small engine safety poster

CLASS - SNOWMOBILES & OFF HIGHWAY VEHICLES

ENTRY

Poster on parts of a snowmobile
 Poster on parts of an off-highway vehicle
 Poster or chart on safe snowmobiling
 Poster or chart on safety rules of riding an off-highway vehicle
 Poster or chart on snowmobile care and maintenance

CLASS - TRACTOR

ENTRY

Any other display related to tractor safety
 Panel of 6 or more worn parts collected from a tractor or machine
 Poster stressing tractor or machine safety

CLASS - WELDING - Grades 3-7

- All entries **must have** a statement describing application used.
- Example: tig, oxyacetylene, mig wire, or art welding

ENTRY

Any other welding project
 Manufactured item
 Poster showing different equipment used for welding
 Poster showing the different types of welding
 Repaired item

CLASS - WELDING - Grades 8-13

- All entries **must have** a statement describing application used.
- Example: tig, oxyacetylene, mig wire, or art welding

ENTRY

A display of 3 welds (T-joint, butt weld, and lap weld) using oxyacetylene arc and wire welder. Joints may be no longer than 3" long. Maximum display size 16"x24"
 Any other welding project
 Manufactured item
 Poster showing the different equipment used for welding
 Repaired item