

MODEL ROCKETRY

Division 200

Department 205

NOTE FOR ALL UNITS:

1. Rocket exhibits must relate to the skill level for the unit entered. Units 1-4 MUST include the color picture of the rocket and skill level title from the rocket kit package as part of their record book. All project material must be organized and secured in a binder. Unit 6 must have a copy of plans or blueprints including instructions "step by step" to build the rocket.
2. Fins must be balsa wood and finished with paint in classes indicated. No non-balsa fin classes in Units 1 - 3. Fins of plastic or other materials must be exhibited in classes so indicated.
3. Rockets are to be displayed and held by a rod (no taller than the rocket) or support on a base not to exceed 12" x 12" x 1" thick. Only the rocket will be judged. Do not decorate the base.
4. DO NOT include live or expended engines in the rockets exhibited.
5. If rocket is damaged in launching, it can still be judged for quality of construction, e-record, and pictures.
6. Display rockets (for exhibit) cannot be used for Rocket Fly Day competition.
7. Cold power is no longer available to be used as an engine power for rockets.

Note: Please read specific rules for your unit.

Rocketry Unit 1 — Introduction to Rocketry (Skill Level I)

- A. Completed e-record and model rocketry report sheet.
- B. One rocket personally built or other display related to work done at Skill Level I.

CLASSES

1. Junior – Balsa Fins
5. Intermediate - Balsa Fins
9. Senior– Balsa Fins

Rocketry Unit 2 — Basic Model Rocketry (Skill Level II)

- A. Completed e-record, Morgan County model rocketry report sheet and completed questions in manual pages 27-31, presented in a sturdy binder.
- B. One rocket personally built or display related to work done at Skill Level II.

CLASSES

25. Junior – Balsa Fins
29. Intermediate - Balsa Fins
33. Senior – Balsa Fins

Rocketry Unit 3 — Intermediate Model Rocketry (Skill Level III)

- A. Completed e-record, Morgan County model rocketry report sheet and completed questions in manual pages 31-35 presented in a sturdy binder.
- B. One rocket personally built in unit or display related to work done at Skill Level III.

CLASSES

51. Junior—Balsa Fins
55. Intermediate - Balsa Fins
59. Senior – Balsa Fins

Rocketry Unit 4 — Advanced Model Rocketry (Skill Level IV)

- A. Completed e-record, Morgan County model rocketry report sheet and completed questions in manual pages 14-18 presented in a sturdy binder.
- B. One rocket personally built in unit or display related to work done at Skill Level IV.

CLASSES

71. Junior – Finished fins of any type
75. Intermediate - Finished fins of any type
79. Senior – Finished fins of any type

Rocketry Unit 6 — Designer Model Rocketry

- A. Completed e-record & Morgan County model rocketry report sheet with design worksheets and completed questions in manual on pages 35-39, presented in a sturdy binder. Must have a copy of the plans or blueprints on how to build the rocket.
- B. One rocket personally designed, built (no kits) used in unit or display related to work done.

CLASSES

91. Junior – Finished fins of any type
95. Intermediate - Finished fins of any type
99. Senior – Finished fins of any type

JUNIOR GRAND CHAMPION MODEL ROCKETRY

Sponsor: Sears, Fort Morgan

SENIOR GRAND CHAMPION MODEL ROCKETRY

Sponsor: Brush Video, Brush

ROCKET FLY

Division 200

Department 210

The contest will begin at 8:30 a.m., Wednesday, July 29 during Interview Judging. Youth should indicate on entry forms that they are planning to participate. A different rocket than exhibit rocket must be used for Rocket Fly. One junior and one senior from each level (Units 1, 2, 3, 4, 6) may compete at State Fair. Youth competing at State Fair (Units 1-4) must have the color picture from kit which indicates proof of skill level and recommended first flight engine. At State Fair, Unit 6 must state the size of the first flight engine at check in. State Fair Contest date is August 29.

1. Rockets must be launched with **FIRST FLIGHT ENGINES ONLY** and use a parachute recovery system. (Streamer and tumble recovery not allowed.)
2. Launching equipment will be set up. Members are to supply their own rocket, engines, igniters, parachutes and wading. A field box is advisable.
3. Each participant will launch their rocket once, time, weather and facilities permitting. Be prepared for a second launch.
4. Event to be judged on: construction, flight stability, range safety, chute deployment, and landing. Rockets must be painted.
5. Level 4 rocketeers may use level IV or V rockets.
6. Judging will be on American system, 1st thru 5th.

CLASSES

71. Junior—Level I—Balsa Fins
73. Senior—Level I—Balsa Fins
75. Junior—Level I—Non Balsa Fins
79. Senior—Level I—Non Balsa Fins
81. Junior—Level II—Balsa Fins
83. Senior—Level II—Balsa Fins
85. Junior—Level II—Non-Balsa Fins
87. Senior—Level II—Non-Balsa Fins
89. Junior—Level III
91. Senior—Level III
93. Junior—Level IV
95. Senior—Level IV
97. Junior—Designer Model Rocketry
99. Senior—Designer Model Rocketry

AWARDS

A champion will be selected from each unit to represent Morgan County at the Colorado State Fair.

WOODWORKING

Division 200

Department 215

Units 1, 2 and 3 in Woodworking have specific restrictions on the tools used in building an article to display. This is done for reasons of safety and to provide a fair comparison among projects in a unit. An exhibit which shows evidence of not following these restrictions will be limited to a white ribbon.

NOTE: Judges will consider: straightness; accuracy and smoothness of saw cuts; the difficulty and preciseness of joints; the skill employed in the use of nails, screws, gluing and other hardware; freedom from tool or sandpaper marks; appropriate finish evenly applied; article attractiveness; proportions; and use of proper wood for the intended use. Always use proper safety gear. Judge will also consider: ability to follow instructions, quality of workmanship and completeness of e-record and Morgan County woodworking report sheet will be considered in making the placing.

Each Unit must include the following:

- A. Completed e-record and Morgan County woodworking report sheet.
- B. Any one article constructed by the exhibitor using the skills learned in their respective unit. A drawing or other copy of a plan for the article exhibited must be included in the e-record. The drawing does not have to be original or created by the exhibitor. The drawing or plan must include dimensions, list of materials used and a description of any changes in the article's specifications made by the exhibitor. Reasons for changes must be described. The drawing or plan itself will not be judged. It is only for the judge's use in judging the article exhibited. If the drawing is missing, the exhibit may receive a white ribbon.
- C. Article using skills learned. Label with name, address, and county. Articles made with tools other than those listed in the level will be limited to a white ribbon.

Woodworking Unit 1 — Measuring Up

The only tools to be used are hand tools.

CLASSES

1. Junior
5. Intermediate
9. Senior

Woodworking Unit 2 — Making the Cut

Only tools used are: hand tools, power hand drill, miter box (non powered), oscillating (pad) sander, and jig saw.

CLASSES

- 21. Junior
- 25. Intermediate
- 29. Senior

Woodworking Unit 3 — Nailing it Together

Only tools used are: hand tools, power hand drill, miter box, jigsaw, scroll saw, power sanders, table saw, drill press, band saw, rabbet plane, jointer, and router.

CLASSES

- 41. Junior
- 45. Intermediate
- 49. Senior

Woodworking Unit 4 — Finishing Up

Tools used are all tools mentioned in Units 1–3, including circular saw, radial arm saw, planer, wood lathe, chop saw and other power tools needed to complete Unit 4 projects.

CLASSES

- 61. Junior
- 65. Intermediate
- 69. Senior

JUNIOR GRAND CHAMPION WOODWORKING

Sponsor: Bloedorn Lumber Company, Fort Morgan

SENIOR GRAND CHAMPION WOODWORKING

Sponsor: Ackley Building Center, Brush

MECHANICAL SCIENCES

Division 200

Department 220

Small Engines

Small Engines Unit 1 — Crank it Up

- A. Completed Small Engines manual and e-record presented in a sturdy binder including appropriate sections in the manual completed and other items such as diagrams, drawings, photographs or attachments related to activities in the manual.

- B. A display board (4 ft X 3 ft) on any topic from the Small Engines manual. Display may include an additional item related to the topic, such as tools, spark plugs, safety gear or a lubricant or fuel sample. You may use diagrams, drawings and photographs. Label and use captions to make your display as educational as possible.

CLASSES

- 1. Junior
- 5. Intermediate
- 9. Senior

Small Engines Unit 2 — Warm it Up

- A. Completed Small Engines manual and e-record presented in a sturdy binder including appropriate sections in the manual completed and other items such as diagrams, drawings, photographs or attachments related to activities in the manual.
- B. A display board (4 ft X 3 ft) on any topic from the Small Engines manual. Display may include an additional item related to the topic, such as classification of engines, identification of engine parts, and a calculations sample. You may use diagrams, drawings and photographs. Label and use captions to make your display as educational as possible.

CLASSES

- 21. Junior
- 25. Intermediate
- 29. Senior

Small Engines Unit 3 — Tune it Up

- A. Completed Small Engines manual and e-record presented in a sturdy binder including appropriate sections in the manual completed and other items such as diagrams, drawings, photographs or attachments related to activities in the manual.
- B. A display board (4 ft X 3 ft) on any topic from the Small Engines manual. You may use pictures or any records you kept to provide evidence of your accomplishments and what you have learned. Display may include an additional item related to the topic, such as the air and fuel systems, the electrical system, a diagram of the engine block, or a diagram of how to reassemble the air and fuel system or the electrical system. Label and use captions to make your display as educational as possible.

CLASSES

- 41. Junior
- 45. Intermediate
- 49. Senior

Advanced Small Engines — Unit 4

- A. A completed e-record with emphasis on your accomplishments in your story presented in a sturdy binder. (self-determined). Include Morgan County small engines – Unit 4 report sheet.
- B. A display board (4 ft X 3 ft) on any topic related to Small Engines. You may use diagrams, drawings, charts and photographs. Label and use captions to make your display as educational as possible.
- C. This unit can use any type engine (tractor, car, etc.)

CLASSES

- 61. Junior
- 65. Intermediate
- 69. Senior

Bicycle

Bicycles

All exhibits in Units 1, 2, and 3 will consist of the following:

- A. Completed project manual and e-record presented in a sturdy binder.
- B. A display board (4 ft X 3 ft) illustrating a topic investigated during the project year.

Bicycles Unit 1 — Cycling for Fun

CLASSES

- 73. Junior
- 77. Intermediate
- 81. Senior

Bicycles Unit 2 — Wheels in Motion

CLASSES

- 85. Junior
- 89. Intermediate
- 93. Senior

Bicycles Unit 3 — Self-Determined

CLASSES

- 97. Intermediate
- 101. Senior

Electricity

Electricity Unit 1 — Magic of Electricity

- A. Completed 4-H Electric project book and e-record in a sturdy binder.
- B. One article or display board (4 ft X 3 ft) which you have made as part of this study unit. (Example: homemade flashlight, simple switch, circuit with two batteries and one light bulb, compass, electromagnet, galvanometer, electric motor, etc.)

CLASSES

- 105. Junior
- 109. Intermediate
- 113. Senior

Electricity Unit 2 — Investigating Electricity

- A. Completed 4-H Electric project book and e-record in a sturdy binder.
- B. One article or display board (4 ft X 3 ft) which you have made as part of this study unit. (Example: circuit diagrams with explanation, series circuit, parallel circuit, momentary switch, three-way switch, soldered connection, rocket launcher, burglar alarm, etc.)

CLASSES

- 117. Junior
- 121. Intermediate
- 125. Senior

Electricity Unit 3 — Wired for Power

- A. Completed 4-H Electric project book and e-record in a sturdy binder.
- B. One article or display board (4 ft X 3 ft) which you have made as part of this study unit. (Example: electrical tool and supply kit, display of symbols on wires and cables and their meanings, display of light bulbs and the jobs they do best, display board on how to read an appliance name tag, chart showing the electrical usage of appliances, display board on how to replace a switch, etc).

CLASSES

- 129. Junior
- 133. Intermediate
- 137. Senior

Electricity Unit 4 — Entering Electronics (Sr Advanced)

- A. Completed 4-H Electric project book and e-record in a sturdy binder.
- B. One article or display board (4 ft X 3 ft) which you have made as part of this study unit. (Example: display of electronic parts, diode, transistor, light emitting diode (LED), LED flasher photocell alarm, light meter, silicon controlled rectifier (SCR) intruder alarm, 6-8 watt amplifier with integrated circuit, etc.)

CLASSES

141. Senior

Computers

NOTE FOR ALL UNITS:

- 1. 4-H members may stay in a unit for more than one year. The exhibit has to be different each year.
- 2. DO NOT include computer disks or other media that may inadvertently be damaged or rendered inoperable due to the transport of the project or the display process.
Note: Not all judging locations will have computer or internet resources available. Display items must be self-contained and capable of being judged “as is” for example, Sample printouts of code developed, multimedia projects created or web pages/sites developed. Non three-dimensional displays will be accepted.

Computers Unit 1 - Newbie Know-How

- A. One study binder that contains the project manual or copy of page 5 – Achievement Program Requirements with explored areas completed (page 5 of manual) and completed e-record.
- B. A display board (4 ft X 3 ft) illustrating a topic from the Expand Your Memory in the manual.

CLASSES

151. Junior

155. Intermediate

159. Senior

Computers Unit 2 – Inside the Box

- A. One study binder that contains the project manual or copy of page 5 – Achievement Program Requirements with explored areas completed (page 5 of manual) and completed e-record.

- B. A display board (4 ft X 3 ft) illustrating a topic from the Expand Your Memory in the manual.

CLASSES

163. Intermediate

167. Senior

Computers Unit 3 – P2P – Peer to Peer

- A. One study binder that contains the project manual or copy of page 5 – Achievement Program Requirements with explored areas completed (page 5 of manual) and completed e-record.
- B. A display board (4 ft X 3 ft) illustrating a topic from the Expand Your Memory in the manual.

CLASSES

171. Intermediate

175. Senior

Computers Unit 4 – Teens Teaching Tech

- A. One study binder and completed e-record.
- B. A display board (4 ft X 3 ft) illustrating a topic from the Expand Your Memory in the manual.

CLASSES

179. Senior

Geospatial

Note: 4-H members can exhibit both as an individual and/or as part of a group. The exhibits need to be different – one exhibit for the individual and a different topic exhibit for the group.

Geospatial Level 1 – Setting Out

- A. Completed e-record presented in a sturdy notebook.
- B. Using the ‘Take Me on a Tour’ activity, create a display and map showing four to six tour sites, geo-tools used to create the map, positional data for the sites, and information about the selected sites

OR

- A. Using information from the 'What Are Geographical Tools?' activity, prepare an exhibit showing and describing ten mapping tools. Explain how the mapping tools are used and why maps are important.
- B. Posters/Maps must be presented on display board (4 ft X 3 ft). Exhibitors are encouraged to laminate all posters/maps or cover them with clear plastic film.

CLASSES

- 183. Junior
- 187. Intermediate
- 191. Senior

Geospatial Level 2 – On the Trail

- A. Completed e-record presented in a sturdy notebook.
- B. Using the table from the 'Take Me on a Tour' activity from Level 1, create a map showing recreational historical or public service sites in your community. Determine if there is a need for additional community resources. Make written suggestions for what resources should be added and where they should be located on your map.
- C. Posters/Maps must be presented on display board (4 ft X 3 ft). Exhibitors are encouraged to laminate all posters/maps or cover them with clear plastic film.

CLASSES

- 195. Junior
- 199. Intermediate
- 203. Senior

Geospatial Level 3 – Reaching Your Destination

- A. Completed e-record presented in a sturdy notebook.
- B. Create a computer-generated map with layered data that provides information on a community need. Explain how the need was identified; how you gathered information; and your recommendations on how to solve the need. Use the template from 'Take Me on a Tour' activity from Level 1, to gather data for the map.
- C. Posters/Maps must be presented on display board (4 ft X 3 ft). Exhibitors are encouraged to laminate all posters/maps or cover them with clear plastic film.

CLASSES

- 207. Junior
- 211. Intermediate
- 215. Senior

Groups Projects (Developed by two or more 4-H members)

- A. Completed e-record presented in a sturdy notebook.
- B. Create a computer-generated map with layered data that provides information on a community need. Explain how the need was identified; how you gathered information; and your recommendations on how to solve the need. Use the template from 'Take Me on a Tour' activity from Level 1, to gather data for the map.
- C. Posters/Maps must be presented on display board (4 ft X 3 ft). Exhibitors are encouraged to laminate all posters/maps or cover them with clear plastic film.

CLASSES

- 219. Junior
- 223. Intermediate
- 227. Senior

JUNIOR GRAND CHAMPION MECHANICAL SCIENCES

Sponsor: Wayne and Marilyn Small, Brush

SENIOR GRAND CHAMPION MECHANICAL SCIENCES

Sponsor: Spradley Barr Ford of Greeley

COUNTY MECHANICAL SCIENCES

Division 200
Department 225

Tractors

Tractor Care and Safety

Exhibit will consist of the following:

- A. A completed record with emphasis on your accomplishments in your story presented in a sturdy binder.
- B. A display board (4 ft X 3 ft) on any topic related to Tractor Care and Safety. You may use diagrams, drawings, charts and photographs. Label and use captions to make your display as educational as possible.

CLASSES

- 1. Junior
- 5. Intermediate
- 9. Senior

4-H General Projects

Division 200

Other County Mechanical Sciences

Exhibit will consist of the following:

- A. Completed records and/or questions in manual.
- B. A display board (4 ft X 3 ft) or other article showing what the 4-H member has learned in this project.

Modelcraft

Modelcraft I CLASSES

- 13. Junior
- 17. Senior

Modelcraft II CLASSES

- 21. Junior
- 25. Senior

Modelcraft III CLASSES

- 31. Junior
- 35. Senior

Modelcraft IV CLASSES

- 41. Junior
- 45. Senior

Welding

Welding I CLASSES

- 51. Junior
- 55. Senior

Welding II CLASSES

- 61. Junior
- 65. Senior

JUNIOR GRAND CHAMPION COUNTY MECHANICAL SCIENCES

Sponsor: Country Hardware & Farm Supply, Wiggins

SENIOR GRAND CHAMPION COUNTY MECHANICAL SCIENCES

Sponsor: Kay Jan, Inc., Fort Morgan

PLANT SCIENCES

Division 200

Department 230

Gardening

The gardening project focuses on activities related to vegetable gardening: planning, planting, experimenting, understanding soils, seeds, insects, plant care, harvesting, processing, exploring careers, etc.

Exhibits will consist of the following:

- A. A gardening project manual and e-record presented in a sturdy binder including these items: appropriate sections in the manual completed, e-record and other drawings or attachments related to activities in the manual.
- B. A display board illustrating a topic investigated during the project year.

Gardening Unit 1—See Them Sprout CLASSES

- 1. Junior
- 5. Intermediate
- 9. Senior

Gardening Unit 2 – Let's Get Growing! CLASSES

- 13. Junior
- 17. Intermediate
- 21. Senior

Gardening Unit 3 – Take Your Pick CLASSES

- 25. Junior
- 29. Intermediate
- 33. Senior

Gardening Unit 4 – Growing Profits (Senior Adv) CLASS

- 37. Senior—Advanced

Field Crops Records

Members enrolled in field crops are encouraged to bring samples of crops to interview judging to share and discuss with the judge. Completed records are needed for all classes.

CLASSES:

- 81. Corn
- 85. Sugar Beets
- 89. Small Grains

Weeds

Weeds Unit 1 – Collection and Identification

- A. A completed project manual, e-record and a Weed Project Log on page 12 presented in a sturdy three-ring binder.
- B. Home-made plant press.
- A. A collection of at 15 plant specimens from any of the lists in Appendix A. Include part of the root, stem, leaves and flowers. Plants should be mounted on 11 ½" x 16 ½" cardboard, properly labeled, dated, and classified according to the common and scientific name. Mounts are to be bound together in book fashion.

CLASSES:

- 161. Junior
- 165. Intermediate
- 169. Senior

Weeds Unit 2 – Growing Habits and Control

- A. A completed project manual, e-record (including present and previous weed records), weed control and completed map presented in a sturdy three-ring binder.
- B. Your current year's collection of at least 10 new weeds, mounted on 11 ½" x 16 ½" cardboard, properly labeled, dated, and classified. Mounts are to be bound together in book fashion.

CLASSES:

- 181. Junior
- 185. Intermediate
- 189. Senior

Weeds Unit 3—Noxious Weed Control

- A. A completed project manual, e-record (including present and previous weed records), plus report on three herbicides and weed control presented in a sturdy three-ring binder.
- B. Your current year's weed collection, including at least five noxious and five poisonous weeds, mounted, properly identified and dated. Mounts are to be bound together in book fashion.

CLASSES:

- 201. Junior
- 205. Intermediate
- 209. Senior

Weeds Unit 4—Advanced Weeds

- A. A completed e-record with emphasis on your accomplishments in your story presented in a sturdy binder. Include Morgan County Unit 4 – Weeds report sheet.
- B. Exhibit as appropriate for your advanced project

CLASSES:

- 221. Junior
- 225. Intermediate
- 229. Senior

JUNIOR GRAND CHAMPION PLANT SCIENCE

Sponsor: Edward's Right Price Market and Flowerland, Fort Morgan

SENIOR GRAND CHAMPION PLANT SCIENCE

Sponsor: Spradley Barr Ford of Greeley

NATURAL RESOURCES

Division 200
Department 235

Entomology

NOTE FOR ALL UNITS:

Acceptable sizes of hand made Entomology display boxes taken from manual and kit:

12"W x 16"L x 3" deep

12"W x 18"L x 3.5" deep

18"W x 24"L x 3.5" deep

Commercially available display cases are acceptable.

1. Glass tops on cases should slide to the top or side of the case to prevent breaking. Commercially available display cases are acceptable.
2. Regular insect pins required in all units.
3. **Note:** Units 2–7, records must include date and location where insects were collected. Place this information on labels attached to insect pins.
4. Each year 4-H members build on their collection by adding new insects as required for that particular unit. Refer to the exhibit requirements for the number of insects to collect for that unit.

Entomology Unit 1 – Let's Learn about Insects

- A. Completed e-record and entomology workbook presented in a sturdy binder.
- B. Insect Collection: 10–35 adult insects in at least 3 different correctly labeled orders. Regular insect pins are required.

CLASSES

1. Junior
5. Intermediate
9. Senior

Entomology Unit 2 – Learn More About Insects

- A. Completed e-record and entomology workbook presented in a sturdy binder.
- B. Insect Collection: 25–75 adult insects in at least 6 different correctly labeled orders. Standard-sized display boxes are required. Regular insect pins are required.

CLASSES

13. Junior
17. Intermediate
21. Senior

Entomology Unit 3 – Insect Habits and Controls

- A. Completed e-record and entomology workbook presented in a sturdy binder.
- B. Insect Collection: 75–150 adult insects in at least 9 different correctly labeled orders (one order developed in water). (Special collection of 8 different insects, as stated in Unit 3 Workbook). Standard-sized display boxes are required. Regular insect pins are required.

CLASSES

25. Junior
29. Intermediate
33. Senior

Entomology Unit 4 – Insect Identification and Community Projects

- A. Completed e-record and entomology workbook presented in a sturdy binder.
- B. Insect Collection: 100–250 adult insects in at least 10 different correctly labeled orders. Standard-sized display boxes are required. Regular insect pins are required.

CLASSES

37. Junior
41. Intermediate
45. Senior

Entomology Unit 5 – Immature Insects and Life Stages

- A. Completed e-record and entomology workbook presented in a sturdy binder.
- B. Display your regular insect collection.
- C. Make a collection of at least 10 larvae or immature insects in vials or rubbing alcohol or similar preservation.
- D. Make a special collection that is different from the one in Unit 3, including at least 10 insects.

CLASSES

49. Junior
53. Intermediate
57. Senior

Entomology Unit 6 – Exploring with Insects

- A. Completed e-record and entomology workbook presented in a sturdy binder.
- B. Report on at least three special activities and include them in the e-record before the story.
- C. Insect collection—display no fewer than 50 insects from a single insect order with no more than 3 specimens of the same insect. Standard-sized display boxes are required. Regular insect pins are required.

CLASSES

- 61. Junior
- 65. Intermediate
- 69. Senior

Entomology Unit 7 – Exploring With Insects - Advanced

- A. Completed e-record with emphasis on your accomplishments in your story presented in a sturdy binder.
- B. A display board representing some phase of special project work. This could include a chart or special equipment used or developed. The standardized display board size (4 ft X 3ft) is to be used.

CLASSES

- 73. Junior
- 77. Intermediate
- 81. Senior

Sportfishing

Exhibit for all units will consist of the following:

- A. Completed e-record and Morgan County sportfishing report sheet (be sure to include all your fishing trips in your supplement) presented in a sturdy binder.
- B. A display board (4 ft X 3 ft) is to be entered into the specific skill level area related to the exhibit. When using a display board, it is strongly recommended to use photos, drawings or other illustrations rather than actual items (i.e. rods, reels, other tackle or accessories). Educational materials shall not extend beyond the edges of display boards. Exhibits may include display stand alone items such as hand-wrapped rods or hand made lures.
- C. Hooks must be removed from lures and jigs when these items are used in an exhibit. The exceptions are artificial flies, which may be exhibited with functional hooks, but the hook points must be imbedded in material (i.e. rubber, dense cork, etc.)

that will secure the flies and offer safety to the judges and other show officials.

- D. No knives to be displayed.

Sportfishing Unit 1 – Take the Bait

CLASSES

- 85. Junior
- 89. Intermediate
- 93. Senior

Sportfishing Unit 2 – Reel in the Fun

CLASSES

- 97. Junior
- 101. Intermediate
- 105. Senior

Sportfishing Unit 3 – Cast into the Future

CLASSES

- 109. Junior
- 113. Intermediate
- 117. Senior

Range Management

Exhibit will consist of:

- A. Completed e-record presented in a sturdy binder.
- B. A display board (4 ft X 3 ft) directly related to the work done by the member in the project.

CLASSES:

- 121. Junior
- 125. Intermediate
- 129. Senior

Forestry

Exhibit will consist of:

A 4-H member must complete at least six activities in the manual each year. Each unit may be completed in three years. List the day, month and year for the date of completed activities on page 4.

Exhibit for all units will consist of the following:

- A. Completed manual and e-record presented in a sturdy binder including these items: appropriate sections in the manual completed, e-record and other drawings or attachments related to activities in the manual.
- B. A display board (4 ft X 3 ft) displaying information related to activities in project manual.

Forestry Unit 1 – Follow the Path

CLASSES

- 133. Junior
- 137. Intermediate
- 141. Senior

Forestry Unit 2 – Reach for the Canopy

CLASSES

- 145. Junior
- 149. Intermediate
- 153. Senior

Forestry Unit 3 – Explore the Deep Woods

CLASSES

- 157. Junior
- 161. Intermediate
- 165. Senior

Outdoor Adventures

Notes for Outdoor Adventures:

A 4-H member must complete at least six activities in the manual each year. Each unit may be completed in three years. List the day, month and year for the date of completed activities on page 4.

Exhibit for all units will consist of the following:

- A. Completed manual and e-record presented in a sturdy binder including these items: appropriate sections in the manual completed, e-record and other items or attachments related to activities in the manual.
- B. A display board (4 ft X 3 ft) illustrating a topic investigated during the project year. You may use diagrams, drawings, charts and photographs. Label and use captions to make your display as educational as possible.

Outdoor Adventures Unit 1 – Hiking Trails

CLASSES

- 169. Junior
- 173. Intermediate
- 177. Senior

Outdoor Adventures Unit 2 – Camping Adventures

CLASSES

- 181. Junior
- 185. Intermediate
- 189. Senior

Outdoor Adventures Unit 3 – Backpacking Expeditions

CLASSES

- 193. Junior
- 197. Intermediate
- 201. Senior

Wildlife

Exhibit for all units will consist of the following:

- A. Completed e-record and Morgan County wildlife report sheets presented in a sturdy binder.
- B. A display board (4 ft X 3 ft) related to the unit of enrollment. No wooden display cases.

Wildlife Unit 1—Exploring Wildlife

CLASSES

- 205. Junior
- 209. Intermediate
- 213. Senior

Wildlife Unit 2—Small Game

CLASSES

- 217. Junior
- 221. Intermediate
- 225. Senior

Wildlife Unit 3—Waterfowl

CLASSES

- 229. Junior
- 233. Intermediate
- 237. Senior

Wildlife Unit 4—Big Game

CLASSES

- 241. Junior
- 245. Intermediate
- 249. Senior

Wildlife Unit 5—Furbearers

CLASSES

- 253. Junior
- 257. Intermediate
- 261. Senior

Wildlife Unit 6—Songbirds and Birds of Prey

CLASSES

- 265. Junior
- 269. Intermediate
- 273. Senior

JUNIOR GRAND CHAMPION NATURAL RESOURCES

Sponsor: Morgan Soil Conservation District

SENIOR GRAND CHAMPION NATURAL RESOURCES

Sponsor: Morgan Soil Conservation District

SHOOTING SPORTS EXHIBITS

Division 200

Department 265

Record books and displays will be interview judged Wednesday, July 29, at the Morgan County Fairgrounds in Brush.

Shooting Sports Inventory is required. Discipline Score Sheets are required for all disciplines participated in. For example: if you shot archery, air rifle and shotgun, score sheets are required for each. Project exhibit can be from any of the three.

- A. E-record, Shooting Sports Inventory and Discipline Score Sheets are required for this project.
- B. Display should illustrate a chosen aspect of skill areas. Items are to be entered in specific skill areas that the exhibit relates to (i.e. .22, air rifle, shotgun, etc.) Individual exhibits can be display board (4 ft X 3 ft) or stand-alone item (such as gun stocks, decoys, etc). No live ammo, broadheads, knives or functional firearms are allowed to be displayed.
- C. Exhibits which address more than one discipline area or a skill not readily categorized in a particular existing 4-H shooting discipline should be entered in "miscellaneous."

CLASSES:

- 1. Archery—Junior
- 5. Archery—Intermediate
- 9. Archery—Senior
- 21. Air Rifle—Junior
- 25. Air Rifle—Intermediate
- 29. Air Rifle—Senior
- 41. Shotgun—Junior
- 45. Shotgun—Intermediate
- 49. Shotgun—Senior
- 61. .22—Junior
- 65. .22—Intermediate
- 69. .22—Senior
- 81. Muzzleloading—Junior
- 85. Muzzleloading—Intermediate
- 89. Muzzleloading—Senior
- 101. Air Pistol—Junior
- 105. Air Pistol—Intermediate
- 109. Air Pistol—Senior
- 121. Outdoor Skills—Junior
- 125. Outdoor Skills—Intermediate
- 129. Outdoor Skills—Senior
- 141. Miscellaneous—Junior
- 145. Miscellaneous—Intermediate
- 149. Miscellaneous—Senior

JUNIOR GRAND CHAMPION SHOOTING SPORTS EXHIBIT

Sponsor: The Hidebeater, Fort Morgan

INTERMEDIATE GRAND CHAMPION SHOOTING SPORTS EXHIBIT

Sponsor: JC Cattle, Snyder

SENIOR GRAND CHAMPION SHOOTING SPORTS EXHIBIT

Sponsor: Allan's Sports, Brush

CERAMICS Division 200 Department 270

NOTES for All Exhibits:

1. One piece consists of no more than one item with lid, (i.e., sugar bowl with lid). More than 1 piece is considered a set. Pieces in a set must be related.
2. All work must be done by the member, including the cleaning of greenware or soft bisque used in the Porcelain Doll Unit.
3. A member repeating any unit must learn new skills.
4. All ceramic pieces must be free for close inspection by the judge. (i.e. flowers should not be fastened with floral clay in a flower pot. Doll's clothing must be easily removed.) If not, the piece(s) will be disqualified.
5. **All exhibits** need to have a completed e-record, the Morgan County ceramic supplement (three technique sheets for the three new skills learned), two learning projects completed and listed with what you've learned on each and one piece or set brought for exhibit that shows techniques learned.

Ceramics Unit 1—Glazes

CLASSES:

1. Junior
5. Intermediate
9. Senior

Ceramics Unit 2—Underglazes

CLASSES

21. Junior
25. Intermediate
29. Senior

Ceramics Unit 3—Overglazes

CLASSES

41. Junior
45. Intermediate
49. Senior

Ceramics Unit 4—Unfired Finishes

CLASSES

61. Junior
65. Intermediate
69. Senior

Ceramics Unit 5—Porcelain Dolls

Includes china paint on polished bisque or glazed porcelain (china). Soft-fired greenware is highly recommended for all doll projects.

CLASSES

81. Junior
85. Intermediate
89. Senior

Ceramics Unit 6—Hand-Constructed in Stoneware

CLASSES

101. Junior
105. Intermediate
109. Senior

JUNIOR GRAND CHAMPION CERAMICS

Sponsor: Jeane Schoemaker, DDS and Neil Schoemaker, DDS, Fort Morgan

SENIOR GRAND CHAMPION CERAMICS

Sponsor: Engle Construction, Denny and Sandy Engle, Fort Morgan

PHOTOGRAPHY

Division 200

Department 275

NOTE:

1. Focus on Photography has been broken into two exhibit levels: Level 1 A and Level 1B. 4-H members should be enrolled in Focus in Photography but can choose to exhibit in either Level 1A or Level 1B. If a member completes the manual, they may enter in both Level 1A and Level 1B. There must be an e-Record for each Level (the e-record can be photo copied.).
2. For all units, submit photo material for the current unit being entered. Do not submit previous photos or records.
3. In Levels 1-3, pictures can be mounted on card stock. Use the tips on page 73 of the manuals for mounting the pictures.
4. Best photo may be up to 5" x 7" in size. Best photo may be mounted on cardstock and identified as your "Best Photo". If you are entering the Best Photo

- Contest you will need to make a copy of your “Best Photo” and follow the rules for mounting. You need two photos of your Best Photo, one for your project and one for the Best Photo Contest (For Levels 1-3). No duplicate pictures except for best picture.
5. Binders: Hardback, three inch(3”), three-ring notebook for all units. No posters or oversized books. Do not use plastic covers on any pages in any unit. All materials must fit within the notebook. Include all your photos and e-record in the three-ring notebook.
 6. Videos must be appropriate for total family viewing.
 7. For photo exhibits in Levels 1 – 3 follow the tips on page 73 of the manuals.
 8. Label Format for Units 1-3:
 - Camera used
 - Type of film
 - Exposure details
 - Journal page #
 - Photo # (left to right and top to bottom)
 - Subject
 - Date Photo Taken
 9. Label Format for Units 4-7
 - Activity #
 - Photo #
 - Subject
 - Date Photo Taken
 - Notes:
 10. Label Format for Best Photo Contest
 - Title
 - Name
 - 4-H Age
 - Camera used
 - Film
 - Subject

Focus On Photography—Unit 1--Level 1A

Exhibit will consist of the following:

1. Completed e-Record. Include the following in your story: what camera you use this year (Brand name, film size, etc.), how you stored your negatives/discs and why you picked your Best Photo pictures. (Also include photos of you working on your project in the e-Record photo page.)

2. Complete pages 4-7 in the manual and place them in the three-ringed notebook with your photos and e-Record.
3. Level 1A photo exhibits will consist of the following Photo Journal pages from Project Areas: Equipment and Lighting (a minimum of 30 photos) Photos may be mounted on cardstock with reference to journal pages:
 - a. Photo Journal Page 7–1 photo (Best Photo)
 - b. Photo Journal page 12–5 photos
 - c. Photo Journal page 16–6 photos
 - d. Photo Journal page 20–3 photos of outdoor scene taken different times (explained in manual pg 18); 3 photos of inside scene taken different times (explained in manual pg. 18) (minimum of 6 photos)
 - e. Photo Journal page 24–5 photos
 - f. Photo Journal page 28–4 photos
 - g. Photo Journal page 32–3 photos

CLASSES

1. Junior
5. Intermediate
9. Senior

Focus On Photography—Unit 1--Level 1B

Exhibit will consist of the following:

1. Completed e-Record. Include the following in your story: what camera you use this year (Brand name, film size, etc.), how you stored your negatives/discs and why you picked your Best Photo pictures. (Also include photos of you working on your project in the e-Record photo page.)
2. Complete pages 4-7 in the manual and place them in the three-ringed notebook with your photos and e-Record.
3. Level 1B photo exhibits will consist of the following Photo Journal pages from Project Areas: Composition and Skill Building (a minimum of 31 photos) Photos may be mounted on cardstock with reference to journal pages:
 - a. Photo Journal page 7–1 Photo (Best Photo)
 - b. Photo Journal page 36–3 photos
 - c. Photo Journal page 40–3 photos
 - d. Photo Journal page 44–3 to 5 photos
 - e. Photo Journal page 48–4 photos
 - f. Photo Journal page 52–4 photos
 - g. Photo Journal page 56–3 photos
 - h. Photo Journal page 60–3 to 5 story format
 - i. Photo Journal page 64–3 to 5 photos
 - j. Photo Journal page 68–4 photos

CLASSES

13. Junior
17. Intermediate
21. Senior

Controlling The Image—Unit 2

Exhibit will consist of the following:

1. Completed e-Record. Include the following in your story: what camera did you use this year (Brand name, film size , etc.), how do you store your negatives/discs and why did you pick your Best Photo pictures. Also include photos of you working on your project in the e-Record photo page.
2. Complete pages 4-7 in the manual and place them in the three-ringed notebook with your photos and e-Record.
3. Level 2 photo exhibits will consist of the following Photo Journal pages in the Manual. (a minimum of 48 photos - Note: This level is for cameras that can be adjusted for speed and lighting). Photos may be mounted on cardstock with reference to journal pages:
 - a. Photo Journal page 7–1 photo (Best Photo)
 - b. Photo Journal page 12–3 still subject with different aperture settings (explained in manual page 10); 3 moving subjects with different shutter speeds (explained in manual page 10)
 - c. Photo Journal page 16–6 photos
 - d. Photo Journal page 20–3 photos as explained in manual on page 18
 - e. Photo Journal page 24–2 photos with hard light and 2 photos will soft light
 - f. Photo Journal page 28–3 photos
 - g. Photo Journal page 32–3 photos
 - h. Photo Journal page 36–3 photos
 - i. Photo Journal page 40–3 photos
 - j. Photo Journal page 44–3 to 5 photos
 - k. Photo Journal page 48–1 photo
 - l. Photo Journal page 52–3 to 4 photos
 - m. Photo Journal page 56–2 photos
 - n. Photo Journal page 60–3 photos
 - o. Photo Journal page 64–3 photos
 - p. Photo Journal page 68–panorama

CLASSES

- 25. Junior
- 29. Intermediate
- 33. Senior

Mastering Photography – Unit 3

Exhibit will consist of the following.

1. Completed e-Record. Include the following in your story: what camera you use this year (Brand name, film size , etc.), how you stored your negatives/discs and why you picked your Best Photo pictures. (Also include photos of you working on your project in the e-Record photo page.)

2. Complete pages 4-7 in the manual and place them in the three-ringed notebook with your photos and e-Record.
3. Level 3 photo exhibits will consist of the following Photo Journal pages from the manual (minimum of 48 photos). Photos may be mounted on cardstock with reference to journal pages:
 - a. Photo Journal page 7–1 photo (Best Photo)
 - b. Photo Journal page 12–3 photos
 - c. Photo Journal page 16–3 photos
 - d. Photo Journal page 20–3 photos
 - e. Photo Journal page 24–2 photos
 - f. Photo Journal page 28–3 photos
 - g. Photo Journal page 32–2 photos
 - h. Photo Journal page 36–4 photos
 - i. Photo Journal page 40–4 photos
 - j. Photo Journal page 44–6 photos
 - k. Photo Journal page 48–4 photos
 - l. Photo Journal page 52–4 photos
 - m. Photo Journal page 56–3 photos
 - n. Photo Journal page 60–3 to 5 photos
 - o. Photo Journal page 64 –Brochure— is not included in total photo count
 - p. Photo Journal page 68 –3 photos

CLASSES

- 37. Junior
- 41. Intermediate
- 45. Senior

Darkroom Techniques—Unit 4

Black And White Darkroom Techniques—Option A

Exhibit will consist of the following:

1. Completed e-Record secured in a sturdy three-ring binder/notebook. Include photos in the e-Record photo page of you working on your project.
2. Photos required for Exhibit are as follows:
 - a. Enlargement from seven best negatives
 - i. One negative exposure series: normal
 - ii. One stop under—one over
 - iii. From one negative—make three different size enlargements. Give exposure times for each.
 - iv. One negative process series
 1. Developed only
 2. Developed and stopped only
 3. Developed, stopped and fixed
 - v. One negative – test and final print
 1. Test exposure print
 2. Final print
 - vi. One negative burned in, one not burned in
 - vii. One negative dodged, one not dodged.
 - viii. One print mounted fancy.

3. Include the camera quiz, cost analysis, closing inventory on the Specific Project Information page in the e-Record.
4. Exhibit to include 16 as listed in B and contact prints and proof sheets of negatives used.

CLASSES

- 49. Junior
- 53. Intermediate
- 57. Senior

Darkroom Techniques— Unit 4 Color Darkroom Techniques—Option B

Exhibit will consist of the following:

1. Completed e-Record secured in a sturdy three-ring binder/notebook. Include photos in the e-Record photo page of you working on your project.
2. Photos required for Exhibit are as follows:
 - a. Enlargement from best negative
 - i. One negative exposure series: normal, one stop under—one over
 - ii. One negative —three different size prints, such as 3"x5", 4"x6", 5"x7", 8"x10"; indicate the exposure setting for each.
 - iii. One negative –test and final print
 1. Test exposure print
 2. Final print
 - iv. Cropping – two pictures (same negative each set) include original contact of proof sheets with cropped prints (5"x7" or 8"x10")
 - v. One negative – one normal color balanced print and one showing incorrect color balance.
 - vi. Two prints (5"x7" or 8"x10")
 1. One portrait of a person
 2. One print mounted fancy
3. Include the camera quiz, cost analysis, closing inventory on the Specific Project Information page in the e-Record
4. Exhibit to include two proof sheets or contact prints plus 15 prints as listed in B.

CLASSES

- 61. Junior
- 65. Intermediate
- 69. Senior

Advanced Photography – Unit 6

Exhibit will consist of the following:

1. Completed e-Record with emphasis on accomplishments in your story. Include photos in the e-Record photo page of you working on your project.
2. Include the following information on the Specific Information Page in the e-Record:
 - a. Goals
 - b. Plans
 - c. Accomplishments
 - d. evaluation
3. Photos should show your progress and be labeled as successful or not, plus reasons.
4. Article/display/notebook which illustrates achievements. (The standardized display board size of 4 ft. x 3 ft with sides that do not overlap is to be used for 4-H projects.)

Note: This unit is for those 4-H members who have advanced photography experiences (i.e. creative darkroom work, publishing, careers, etc.)

CLASSES

- 73. Junior
- 77. Intermediate
- 81. Senior

Beginning Unit—Video Photography—Unit 7

Exhibit will consist of the following:

1. Completed e-Record and photography binder/notebook containing responses to the project/activities described in the 4-H Video Photography manual. Include photos in the e-Record photo page of you working on your project.
2. Video as required (6 to 15-minute limitation). The video should be DVD media only and ready for viewing. Also the video must be appropriate for family viewing. Be sure that the DVD can be viewed on various computer operating systems (ex: Windows, Mac, OS-X, etc.).

CLASSES

- 85. Junior
- 89. Intermediate
- 93. Senior

BEST PHOTO CONTEST

The Best Photo Contest is open to members in Photography Levels 1-3. Those members wanting to participate will use their 5"x7" (Best Photo in Levels 1-3) for this contest.

Rules:

1. 4-H members must use their 5"x7" Best Photo in Levels 1-3 for this contest.
2. The photo must be mounted on a mat and suitable for hanging without additional frame. No other

- mounted materials (i.e. foam core, glass, wood, plastic, metal, etc.) can be used.
3. The maximum size for the matted picture is no larger than 8" x 10" (no frame or glass).
 4. The photo must be labeled on the back with title, location of picture, member name, 4-H age, camera used, and film.
 5. Photos used for the Best Photo Contest will not be returned. They will become property of the State 4-H Office.
 6. Photos will be judged according to the following criteria:
 - a. Composition/Presentation
 - b. Focus/Sharpness
 - c. Lighting
 - d. Creativity

CLASSES

97. Junior
100. Intermediate
103. Senior

JUNIOR GRAND CHAMPION PHOTOGRAPHY

Sponsor: Lasting Images Studio, Brush

SENIOR GRAND CHAMPION PHOTOGRAPHY

Sponsor: Day Dream Photography, Brush

LEATHERCRAFT

Division 200

Department 280

Note for all units:

1. Put name, age, and county on back of exhibit board or on tag attached to individual exhibit articles.
2. Indicate in e-record whether articles are made from kit or if self-cut and designed by member.
3. A set means a number of things of the same kind that belong, or are used together, (i.e., 6 matching coasters, belt and buckle with matching designs).
4. Advanced leathercraft members may exhibit in more than one of the classes, provided the member is enrolled in and has completed the requirements of the unit.
5. It is recommended that first year members take Unit 8 instead of Unit 1 or Unit 2.

Leathercraft Unit 1 - Introduction to Leathercraft

(No carving, use of dyes and/or color shading permitted.)

- A. Exhibit board 12" x 18" x 1/8" or 1/4" (preferably pegboard), of three samples (attached by using lacing) with labels showing:
 1. Transfer of design, deepen outline with modeling tool and use of camouflage tool.

2. Steps shown in sample 1 as well as use of pear shader, beveling with modeling tool, and use of veiner.
3. Steps shown in samples 1 and 2 as well as use of seeder and backgrounder tools. Clear leather finish applied to sample 3 (optional for samples 1 and 2).
- B. Two completed articles using tools and skills studied in unit 1, which include lacing (one using whip stitch lacing and the other using running stitch lacing.)
- C. Completed e-record presented in a sturdy binder.

CLASSES

1. Junior
5. Intermediate
9. Senior

Leathercraft Unit 2 - Beginning Leather Carving

(No pictorial or figure carving. No solid color dyeing or shading permitted.)

- A. Exhibit board (size indicated in Unit 1–A) with three samples attached with lace, labeled and showing:
 1. Use of swivel knife and camouflage tool.
 2. Steps shown in sample 1 as well as use pear shader, beveller, and veiner.
 3. Steps shown in samples 1 and 2 as well as use of seeder, backgrounder and decorative cuts. Clear Clear leather finish applied to sample 3 (optional for samples 1 and 2)
- B. Two completed articles using tools and skills studied in Units 1 & 2 which include lacing (at least one with double loop lacing).
- C. Completed e-record presented in a sturdy binder.

CLASSES

21. Junior
25. Intermediate
29. Seniors

Leathercraft Unit 3 - Intermediate Leather Carving

(No pictorial or figure carving. No solid color dyeing or shading permitted.)

- A. One completed carved article or set. Include at least 1 of the major skills: inverted carving techniques, carved conventional design, beginning dyeing, simple molding, and shaping or hand stitching.
- B. Completed e-record presented in a sturdy binder.

CLASSES

41. Junior
45. Intermediate
49. Senior

Leathercraft Unit 4 – Advanced Leather Carving (Solid-color dyeing and color shading will not be permitted).

- A. Any article or set, other than a picture, of either conventional or realistic design, demonstrating one or more of the major skills learned in this unit: figure carving, embossing or filigree work. Beginning dyeing and staining according to Unit 3 are acceptable, but color shading or solid color dyeing will not be permitted.

- B. Completed e-record presented in a sturdy binder.

CLASSES

61. Junior
65. Intermediate
69. Senior

Leathercraft Unit 5 - Coloring and Shading

- A. One completed article or matching set, other than a picture, demonstrating advanced carving skills colored by solid color dyeing, block dyeing, or shade dyeing. Design can be either conventional or realistic carving.

- B. Completed e-record presented in a sturdy binder.

CLASSES

81. Junior
85. Intermediate
89. Senior

Leathercraft Unit 6 - Pictorial Carving

- A. One framed or mounted carved leather picture (scene or portrait—not clocks) or a matching set, suitable for wall hanging. Article may be left natural color or it may be stained or colored according to any methods taught in previous units.

- B. Completed e-record presented in a sturdy binder.

CLASSES

101. Junior
105. Intermediate
109. Senior

Leathercraft Unit 7 - Making and Rebuilding Saddles

- A. One completed saddle. Leather may either be tooled or untooled, and may be finished in any suitable fashion.

- B. Completed e-record presented in a sturdy binder.

CLASSES

121. Junior
125. Intermediate
129. Senior

Leathercraft Unit 8 – Creative Stamping

- A. One completed article or matching set using creative stamping.

- B. Completed e-record presented in a sturdy binder.

CLASSES

141. Junior
145. Intermediate
149. Senior

Leathercraft Unit 9 - Braiding and Untooled

- A. One article or matching set illustrating construction by lacing, braiding, expanding, sculpting, untooled leather construction or leather art technique.

Exhibit must use non-tooled and non-sewn leather working techniques. (Minimum tooling required for effect is acceptable).

- B. Completed e-record presented in a sturdy binder.

CLASSES

161. Junior
165. Intermediate
169. Senior

Leathercraft Unit 10 - Sewing Leather

- A. One completed article or garment made by sewing leather.

- B. Completed e-record presented in a sturdy binder.

CLASSES

181. Junior
185. Intermediate
189. Senior

JUNIOR GRAND CHAMPION LEATHERCRAFT

Sponsor: Murdoch's, Fort Morgan

SENIOR GRAND CHAMPION LEATHERCRAFT

Sponsor: Spradley Barr Ford of Greeley

GLOBAL CITIZENSHIP & VISUAL ARTS

Division 200

Department 285

Global Citizenship Unit 1—Study of Another Country

- A. Three-ringed notebook including completed e-record with the following additional information:
1. Selected option from page 3 in manual

2. Create an information sheet that explains the selected study option and list the topic(s) studied pages 6-9
3. Describe any demonstrations or public speaking experiences you had associated with global citizenship. Please be specific about audience, topic, visual aids, etc.
4. Include a short story explaining what you learned from this study.
5. List the resources you used throughout your project.

CLASSES:

1. Junior
5. Intermediate
9. Senior

Global Citizenship Unit 2—Host a Delegate from Another Country

- A. Three-ringed notebook including completed e-record with the following additional information:
 1. Preparation for your exchange's arrival – page 3 of manual
 2. The arrival page – page 3-4 of manual
 3. During the stay – page 4 of manual
 4. After departure – page 4 of manual
 5. Resources – page 5 of manual
- B. Provide information on at least one demonstration or public speaking experience that you gave on your global citizenship project. Please record this information on the Demonstration page in the e-record. Be specific on audience, topic, visual aids, etc.

CLASSES:

21. Junior
25. Intermediate
29. Senior

Global Citizenship Unit 3—Participating as A Teen Counselor

Exhibit will consist of the following:

- A. Serve as a teen counselor at a standard international program event for incoming delegates from another country or culture (this must be coordinated with the 4-H International Programs Coordinator in the Colorado 4-H Office).

- B. Three-ringed notebook including completed e-record with the following additional information:

1. The Arrival – page 5 of manual
2. During the stay – page 5 of manual
3. After departure – page 5 of manual
4. Resources – page 5 of manual

- C. Provide information on at least one demonstration or public speaking experience that you gave on your global citizenship project. Please record this information on the Demonstration page in the e-record. Be specific on audience, topic, visual aids, etc.

CLASSES:

41. Intermediate
45. Seniors

Global Citizenship Unit 4—Exchange Delegate to Another Country

- A. Three-ringed notebook including completed e-record with the following additional information:
 1. Before departure – pages 5-6 of manual
 2. During the stay – page 6 of manual
 3. In-depth observation – page 6 of manual
 4. Return to the United States – page 6 of manual
 5. Resources – page 6 of manual
- B. Provide information on at least one demonstration or public speaking experience that you gave on your global citizenship project. Please record this information on the Demonstration page in the e-record. Be specific on audience, topic, visual aids, etc.

CLASSES:

65. Intermediate
69. Seniors

Visual Arts

There is no limit for years of participation in a unit.

Visual Arts Unit 1—Portfolio Pathway

- A. Completed e-record in study binder. Explain in your 4-H e-record story what you learned.
- B. Complete a minimum of 2 art techniques listed under media of painting, printing or graphic design in which the member is enrolled. Provide pictures of all completed art techniques on the Specific Project Information page in the e-record. (Art techniques for painting: acrylics, watercolors, abstracts, sand painting, self-portrait, action painting, oil painting with impasto, scumbling and perspective and encaustic painting. See manual for printing and graphic-design techniques).

- C. Exhibit—display your best art design. Oil paintings and acrylic paintings should be no larger than 16" x 24" and ready to hang (no frames used). Watercolor paintings should use small mat and be framed with glass and be no larger than 16" x 24".

CLASSES:

- 73. Junior
- 77. Intermediate
- 81. Seniors

Visual Arts Unit 2—Sketchbook Crossroads

- A. Completed e-record in study binder. Explain in your 4-H e-record story what you learned.
- B. Complete a minimum of 2 art techniques listed under media of drawing, fiber and sculpture in which the member is enrolled. (Art techniques for drawing: continuous and contour, shading, perspective, paper choices, colored pencils, pen and ink, calligraphy and cartooning). See manual for fiber and sculpture techniques.
- C. Exhibit—display your best art design or sculpture. Framed drawings shall be no larger than 16" x 24" including frame and ready to hang. Fiber art should be framed and ready to hang and no larger than 16" x 24".

CLASSES:

- 85. Junior
- 89. Intermediate
- 93. Seniors

**GRAND CHAMPION GLOBAL CITIZENSHIP/
VISUAL ARTS**

Sponsor: Star Athletic Club, Fort Morgan

JUNIOR LEADERSHIP

Division 200

Department 290

Exhibits will consist of the following:

- A. Completed e-Record.
- B. A display board telling how you developed or improved one leadership skill. The standardized display board size of 4 ft. x 3 ft with sides that do not overlap is to be used for 4-H projects.

Leadership Unit 1—Indv Skills for Young Members

CLASS

- 1. Junior

Leadership Unit 2—Indv Skills for Older Members

CLASSES

- 5. Intermediate
- 9. Senior

Leadership Unit 3—Skills Working within Groups

CLASSES

- 25. Intermediate
- 29. Senior

Leadership Unit 4—Skills Leading Groups

CLASSES

- 45. Intermediate
- 49. Senior

GRAND CHAMPION JUNIOR LEADERSHIP

Sponsor: Anderson, Lee & Company, Fort Morgan

RES GRAND CHAMPION JUNIOR LEADERSHIP

Sponsor: Olde Tyme County Store, Brush
Mike Dixon & Bruce Bass

VETERINARY SCIENCE

Division 200

Department 295

All exhibits will consist of the following:

- A. Project manual (Airedales to Zebras—Unit 1; All Systems Go—Unit 2 or On The Cutting Edge—Unit 3) e-record presented in a sturdy binder including these items: appropriate sections in the manual completed, e-record and other attachments related to activities in the manual. Do a minimum of seven activities, any combination of activities and booster shots. These units may be completed in three years.

Note: List the day, month, and year for the date of completed activities/booster shots on page 4 of the manual.

- B. A display board illustrating a topic investigated during the project year. Use standardized display board of 4 ft x 3 ft.

Veterinary Science Unit 1

CLASS

- 1. Junior
- 5. Intermediate
- 9. Senior

Veterinary Science Unit 2

CLASS

- 13. Junior
- 17. Intermediate
- 21. Senior

Veterinary Science Unit 3

CLASS

- 25. Junior
- 29. Intermediate
- 33. Senior

JUNIOR GRAND CHAMPION VETERINARY SCIENCE

Sponsor: Fort Morgan Veterinary Clinic, Fort Morgan

SENIOR GRAND CHAMPION VETERINARY SCIENCE

Sponsor: Fort Morgan Veterinary Clinic, Fort Morgan

LEISURE EDUCATION

Division 200

Department 300

Exhibit will consist of the following:

- A. Completed records and/or questions in manual.
 - a) Genealogy project members will follow instructions in the manual.
 - b) Scrapbooking project members will display their scrapbook. The scrapbook should include your best pages (minimum of three and maximum of 7 one sided pages).
 - c) Horseless Horse will exhibit the completed Horseless Horse Unit Manual and e-record in a sturdy binder/notebook. A display board illustrating a topic investigated during the year. The standardized display board size of 4 ft x 3 ft with sides that do not overlap is used for 4-H projects.

CLASSES:

1. Pocket Pets — Juniors
5. Pocket Pets — Seniors
21. Genealogy I — Juniors
25. Genealogy I — Seniors
29. Genealogy II — Juniors
33. Genealogy II — Seniors
41. Geology, Unit 1 — Juniors
45. Geology, Unit 1 — Seniors
51. Geology, Unit 2 — Juniors
55. Geology, Unit 2 — Seniors
61. Self Determined
65. Scrapbooking — Juniors
69. Scrapbooking — Seniors
73. Horseless Horse, Unit 1 — Juniors
77. Horseless Horse, Unit 1 — Intermediate
81. Horseless Horse, Unit 1 — Seniors
85. Horseless Horse, Unit 2 — Juniors
89. Horseless Horse, Unit 2 — Intermediate
93. Horseless Horse, Unit 2 — Seniors
97. Horseless Horse, Unit 3 — Juniors
101. Horseless Horse, Unit 3 — Intermediate

105. Horseless Horse, Unit 3 – Seniors
109. Horseless Horse, Unit 4 — Juniors
113. Horseless Horse, Unit 4 — Intermediate
117. Horseless Horse, Unit 4 – Seniors

JUNIOR GRAND CHAMPION LEISURE EDUCATION

Sponsor: Ackley Building Center, Brush

SENIOR GRAND CHAMPION LEISURE EDUCATION

Sponsor: Baer Agency, Wiggins

DEMONSTRATION CONTEST

Division 200

Department 305

July 31, 2009 following Creative Cooks Contest (approx 12:00 p.m)

Mark Arndt Event Center, Morgan County Fairgrounds

All ages as of January 1, 2009

Top three blue ribbon winners in each of the junior, intermediate and senior individuals and team divisions are eligible to compete at the State Demonstration Contest held during the Colorado State Fair.

CLASSES:

1. Junior Demonstration (8 – 10 years old)
5. Junior Team Demonstration (2 members, 8 – 10 years old)
10. Intermediate Demonstration (11–13 years old)
15. Intermediate Team Demonstration (2 members, 11 – 13 years old)
20. Senior Demonstration (14 years old and over)
25. Senior Team Demonstration (2 members, 14 years old and over)

JUNIOR GRAND CHAMPION DEMONSTRATION CONTEST

Sponsor: Morgan County Toastmasters

INTERMEDIATE GRAND CHAMPION DEMONSTRATION CONTEST

Sponsor: Olde Tyme Country Store, Brush
Mike Dixon & Bruce Bass

SENIOR GRAND CHAMPION DEMONSTRATION CONTEST

Sponsor: Morgan County REA

SHOOTING SPORTS CONTEST

Division 200

Department 315

COUNTY FAIR ELIGIBILITY:

- A. All participants must be 4-H members currently enrolled in the 4-H Shooting Sports Project.
- B. Juniors: 8—13 years old as of 1/1/09
Seniors: 14—18 years old as of 1/1/09
- C. Appropriate safety equipment is the shooter's responsibility.
- D. All youth **MUST** complete record books and participate in interview judging for scores to count for competition.

You must have participated in at least three County *Certified shoots in each of the divisions entered to compete at the County Fair. **For safety reasons, a shotgun shooter must shoot at least three (3) practices in each class they want to compete in.**

*Certified shoots are shoots shot in front of the contest superintendent or assistant superintendent(s) of the discipline.

*For emergency situations, the superintendent and shooting sports committee will take it under consideration for county only results. Youth not participating in county shoots will not be eligible for State Fair Shoot.

*Guidelines for Classes and equipment will be same as the current rulebook. You may view the Colorado Shooting Sports Rule Book at:
http://www.4h.colostate.edu/ss/ss_contest/index.html
Click on rule book.

STATE FAIR ELIGIBILITY:

All requirements of County Fair must be met. In addition, you must have a valid hunter education card, must have participated in at least three certified County practices shoots in each discipline entered prior to County Fair, and have received a red or blue ribbon on your records. You may not shoot in any class at State Fair that you did not shoot at County Fair. Teams for State Fair will be determined by the scores shot at County Fair, and participation in Club shoots and activities.

You must compete at the County Fair Shoot to qualify for State Fair.

You must tell the Superintendent at the end of a County Fair Shoot if you are planning to attend State Fair, pay for your entry fees at that time and give them your Hunter Safety Card number. Bring your Hunter Safety Card with you when you compete at State Fair.

4-H Shooting Sports Divisions

Pistol, Advanced Shotgun, .22 rifle, air rifle, shotgun, muzzle loading, and archery. The different Classes within each division and a description of them are listed below. For more information, see Shooting Sports Rule Book at:

http://www.4h.colostate.edu/ss/ss_contest/index.html
Click on rule book.

Hunting and Target Rifle Contests

Rifle Superintendent – Matt Brasby
Asst. Superintendents — Curt and Michelle Christensen, Dave Gapter, Steve Kehm and Dave Widener

Saturday, July 18, 2009

8 a.m.

Check-in at 7:30 am

Morgan Gun Club

Hunting Rifle

CLASSES

- 1. Junior
- 5. Senior

.22 3 Position

CLASSES

- 11. Junior
- 15. Senior

.22 4-P Sporter

CLASSES

- 21. Junior
- 25. Senior

.22 Scope 4-P

CLASSES

- 31. Junior
- 35. Senior

.22 Silhouette

SPECIAL CLASSES Not included in State Fair scoring.

CLASSES

- 41. Junior
- 45. Senior

4-H General Projects

Division 200

Muzzleloading Contest

Superintendent – Mark Hanson

Asst. Superintendents — Dave Gapter, Cary McMinn
and Al Seely

Saturday, July 25, 2009

8 a.m.

Check-in at 7:30 am

Morgan Gun Club

Traditional

CLASSES

51. Junior

55. Senior

Open Class

CLASSES

61. Junior

65. Senior

Shotgun

Superintendent – Paul Oliveria

Asst. Superintendent — Muffy Fuchs, Andy Larrick,
Shari McMinn, Tim Carpenter, and Jeff Brown

Sunday, July 12, 2009

8 a.m.

Check-in at 7:30 am

Location - TBD

CLASSES

71. Junior

75. Senior

Air Rifle

Superintendent – Steve Kehm

Asst. Superintendents — Michelle Christensen, Janet
Larrick, Matt Brasby and George Trujillo

Sunday, July 19, 2009

9:30 am

**Multi-Purpose Building, Morgan County
Fairgrounds**

CLASSES

81. Junior — Utility

89. Junior — 4 P Sporter

93. Junior — Olympic

97. Junior — .10 meter, 3 position

101. Senior — Utility

109. Senior — 4 P Sporter

113. Senior — Olympic

117. Senior — .10 meter, 3 position

Air Pistol

Superintendent – Michelle Christensen

Asst. Superintendents— Al Seely, Andy Larrick and
Cary McMinn

Sunday, July 19, 2009

9:30 a.m.

**Multi-Purpose Building, Morgan County
Fairgrounds**

Classes

121. Junior

125. Senior

Archery

Superintendent – Paul Oliveira

Asst. Superintendent — Jon Flair and Jim Volk

Sunday, July 19, 2009

8 a.m.

Check-in 7:30 a.m.

Morgan County Fairgrounds

CLASSES

131. Junior – Recurve, Limited

134. Junior—Recurve, Traditional

137. Junior — Compound, Limited

140. Junior — Compound, Unlimited

143. Junior — Compound, Traditional

151. Senior — Recurve, Limited

154. Senior — Recurve, Traditional

157. Senior — Compound, Limited

160. Senior — Compound, Unlimited

163. Senior — Compound, Traditional

4-H General Projects

Division 200

Skeet and 5 Stand Sport Clays

Superintendent – Al Seely
Asst. Superintendents — Ed Rowland, Andy Larrick,
Paul Oliveria, and Muffy Fuchs

TBA

TBD

CLASSES

- 171. Junior—Five Stand
- 175. Senior—Five Stand
- 181. Junior—Skeet
- 185. Senior—Skeet

SHOOTING SPORTS AWARDS

Grand Champion Junior Shooter
Grand Champion Senior Shooter

In order to qualify for awards:

1. Must shoot in a minimum of 3 disciplines.
2. Score will be average of the high 3 disciplines
3. Scores will be based on an average of percentages in each category.
4. Completed record book and interview judging.

JUNIOR GRAND CHAMPION SHOOTER

Sponsor: JC Cattle, Snyder

SENIOR GRAND CHAMPION SHOOTER

Sponsor: South Platte Chapter, National Wild Turkey Federation, Brush

All Shooting Sports awards will be presented Friday, August 7, 6:30 p.m., at the Mark Arndt Event Center at the Morgan County Fairgrounds with a potluck supper for all families, awards following.

MISCELLANEOUS

Division 200
Department 350

CLASSES:

5. Secretary Record Book

- A. 4-H and FFA secretaries do a lot of work and record the club activities. To recognize their accomplishments, the record book is judged on the basis of neatness, accuracy and completeness.
- B. Guidelines to follow in filling out the Secretary Record Book are:
 1. Make sure the book is easy to read, whether in pen, pencil or typed.
 2. Meetings should follow parliamentary procedure.
 3. Entries should be made each month.
 4. Committee assignments and reports should be recorded.
 5. Demonstrations, workshops, tours, etc. should be included in the book.
 6. Books should also include:
 - a. A record of members in your club and attendance.
 - b. A calendar of events and programs.
 - c. A report of money spent and earned.
- C. 4-H and FFA secretaries are to enter Secretary Record Books to Fair Office on Wednesday, July 29 between 10 a.m. and 12 noon.

PREMIUM: 1st Place — \$10.00
2nd Place — \$ 8.00
3rd Place — \$ 6.00
4th Place — \$ 4.00
5th Place — \$ 2.00

GRAND CHAMPION SECRETARY RECORD BOOK

Sponsor: MKT Commodities, Fort Morgan

7. Club Scrapbook

- A. Guidelines for compiling your club scrapbook:
1. Include something about each member.
 2. Show what the group is learning.
 3. Show the kinds of things that the group and member(s) of the group did.
 4. Include pictures, news articles, programs, etc.
- B. 4-H Clubs and FFA Chapters are to enter Scrapbooks on Wednesday, July 29 to the Fair Office between 10 a.m. and 12 noon.

PREMIUM:

1st Place	—	\$10.00
2nd Place	—	\$ 8.00
3rd Place	—	\$ 6.00
4th Place	—	\$ 4.00
5th Place	—	\$ 2.00

GRAND CHAMPION SCRAPBOOK

Sponsor: Impressions by Bird, Fort Morgan

10. Community Pride Program

- A. Each 4-H club or FFA chapter is encouraged to select and complete a community improvement effort in their locality. (It is recommended that this be in album or binder form rather than a display.)
- B. The following questions provide a guide for your club to report on their Community Pride or Community Service Project. Answer the questions and provide supplemental materials (news clippings or pictures) on no more than twenty pages.
1. Name of Project, Club Name and County
 2. How did you determine this was a project needed by your community?
 3. What alternatives did your club consider in selecting this project?
 4. What were your goals and objectives for this project?
 5. How did your club select the best plan of action to complete the project?
 6. What organizations or agencies helped with your project?
 7. How did these organizations or agencies help?
 8. How did your club participate in local government meetings while doing this project?
 9. Describe how the media in your community helped with the project
 10. How did this project benefit your community?
 11. How did your community feel about this project?
 12. How did you celebrate the completion of your project?
 13. Are there future plans for this project?

OUTSTANDING COMMUNITY PRIDE

Sponsor: KSIR Radio, Fort Morgan

BEST RECORDS

- A. Ribbons will be given to the best records at interview judging in each project unit, if deemed worthy.
- B. Clubs must have 50% of their regular membership enrolled in family and consumer and/or general projects to be eligible for Club Award.
- C. The eligible club receiving the highest percentage of members with best records from all projects eligible for interview judging will receive the Club Award.
- D. Criteria used to determine Best Records for each unit include:
1. Completeness of Records
 2. Neatness and Accuracy
 3. Story that shows growth and development of 4-H member through project activities.
 4. Participation in activities that enhanced the project, i.e. – creative cooks, demonstration contest, junior leadership activities.

CLUB AWARD BEST RECORD

Sponsor: John & Sue Aggson, Fort Morgan

CLOVERBUD 4-H DISPLAY

Division 200
Department 360

- A. All youth enrolled in Morgan County 4-H Cloverbuds can enter an item for display.
- B. Exhibits may be entered on Wednesday, July 29, from 9 a.m. to 12 noon at the Fair Office.
- C. Participant ribbons will be given to all exhibitors. There will be no competitive judging.
- D. Cloverbud member's name and 4-H Club must be securely attached to the exhibit item.

Classes:

15. Cloverbud 4-H Display

Exhibit one article completed in Cloverbud activities during the 2009 club year.

OUTSTANDING 4-H LEADER

Any 4-H member may nominate their 4-H Club leader for this award. Nomination letters may be turned into the Extension Office and the winner will be announced at the 4-H Achievement night.

DOG

Division 200
Department 390

Superintendent: Lori Pruett

Assistant Superintendent: Lisa Megel

Judging: Thursday, July 30

Registration—8 a.m.

Show begins at 8:30 a.m., Indoor Arena

Entries:

1. Record books and each obedience class and/or showmanship class must be entered on the 4-H Entry Form.
2. Record books will be turned in at time of interview judging. Records must be interview judged for members to be eligible to show at fair
3. Dog project ribbons will be presented at the competition of all classes for the dog project.

Exhibitor Eligibility Rules:

1. Member must be enrolled in the 4-H Dog Project.
2. The member must own his project dog individually or in partnership with parent or guardian during the complete duration of the project.
3. A member may bring and exhibit only one dog at the dog obedience trials.
4. Each member must enter the record book class and may enter one obedience class, one rally class and/or one showmanship class.

Dog Eligibility Rules:

1. Dogs entered must have been a part of the project since March 1, or earlier.
2. Dogs must be at least one (1) year old at the date of the Morgan County Fair Dog Trials.
3. After once earning a blue ribbon in obedience completion as a 4-H project dog at the fair, that same dog is no long eligible for exhibition in the same or lower class at any following fair., except open, sub-utility, and utility Classes.
4. A dog with an AKC or UKC degree is disqualified

from entering the class for which the degree was awarded if earned by the member showing the dog, or any lower class except if the degree was won less than four months before the fair, then the dog is eligible for entry in the same class. Rule Number 1 above takes precedence over this rule.

5. No bitch in heat will be allowed to compete in any dog class at the fair. A veterinarian's decision on doubtful cases will be accepted as final.
6. Proof of approved effective (at the time of fair) vaccination of the dog for rabies and parvo virus must be shown in the project book (preferably a current certificate from the local veterinarian.). The dog will not be allowed to show in trials unless the certificate is in the record book. A veterinarian may inspect each dog to be shown and dog showing evidence of communicable disease will not be eligible for show and will be isolated from other dogs.

Exhibit Classes and Points:

1. There will be one judging ring, built to AKC standards (40' x 60').
2. All exercises will be judged according to the latest AKC obedience guidelines except that registry of dog with AKC is not required.
3. The 4-H Dog Show is a 4-H show. As such, 4-H youth development principles are primary importance. Show rules and guidelines are modeled after AKC rules. We will make every effort to note differences between AKC and 4-H by an asterisk.
4. Show order will be posted at interview judging and at trials.

Awards and Premiums:

1. Ribbons will be awarded to each exhibitor in the Sub-Novice class through the Utility Class on the following basis:
 - a. Blue – 170 or more points earned, provided each class exercise received 50% or more of the maximum point value to that exercise. The first four blue ribbon winners will receive placing ribbons in each class.
 - b. Red – 140 to 169 points or those who earned more but did not qualify for a blue ribbon.
 - c. White – 139 or fewer points earned.
2. Ribbons will be awarded to each member in the Showmanship Classes on the following basis:
 - a. Blue – 90 or more points earned. The first four blue ribbon winners will receive placing ribbons

- in each class.
- b. Red – 80 to 89 points.
- c. White – 79 or fewer points.
- 3. Ribbons will be awarded to each member in the Project Record Book Class on the following basis:
 - a. Blue – 90 or more points earned. The first eight blue ribbon winners in the Senior, Intermediate and Junior divisions will receive placing ribbons.
 - b. Red – 80 - 89 points.
 - c. White – 79 or fewer points.
- 4. Ribbons will be awarded to each member in the Rally Obedience Class on the following basis:
 - a. Blue – 70 or more points earned. The first four blue ribbon winners will received placing ribbons in each class.
 - b. Red – 69-40 Points
 - c. White – 39 or fewer points
- 5. Champion Awards
All members will be eligible to compete for champion and reserve champion within their age division in each of the following categories:

Possible Points

Obedience Class Champion (Jr)	200
Obedience Class Champion (Int)	200
Obedience Class Champion (Sr)	200
Showmanship Champion (Jr)	100
Showmanship Champion (Int)	100
Showmanship Champion (Sr)	100
Record Book Champion (Jr)	100
Record Book Champion (Int)	100
Record Book Champion (Sr)	100
Rally Class Champion (Jr)	100
Rally Class Champion (Int)	100
Rally Class Champion (Sr)	100

- 6. Grand Champion
All members will be eligible to compete for the grand champion and reserve grand champion based on the number of total combined points they have earned in the Record Book, Showmanship, Obedience and Rally classes. The member is not required to enter in each of the above classes, however the total points that can be earned towards the grand champion and reserve grand champion is 500.
- 7. High in Trial Awards
 - a. A ribbon will be awarded for the dog and member team that scores the highest score in the Obedience class regardless of which class is entered. The score must be at least 170 or above.

- b. A ribbon will be awarded for the dog and member team that scores the highest score or highest score and fastest time in case of a tie in the Rally class regardless of which class is entered. The score must be at least 70 or above.
- 8. No rankings of red or white ribbon winners will be made.

Dog Records

Dog Records will include:

- 1. Completed Pet Animal e-Record and Dog Supplement.

CLASSES:

- 1. Record Book (Jr)
- 5. Record Book (Int)
- 9. Record Book (Sr)

Champion Jr, Int, Sr Record Book – Award & Ribbon
 Reserve Champion Jr, Int, Sr Record Book – Ribbon
 Sponsors:
 Carrie Jo Calvert Mountain ACDs
 Cappy and Lori Pruett DeWest Kennels

Dog Showmanship

- 1. Prior Entry is Required. Ages figured as of January 1, 2009
- 2. Special Showmanship Requirements:
 - a. Novice Junior: Members 8-10 years of age. This class is open only to members and their dog in their first year of dog project work.
 - b. Open Junior: Members 8-10 years of age. This class is open to second year and above project members.
 - c. Novice Intermediate: Members 11-13 years of age. This class is open only to members and their dog in their first year of dog project work.
 - d. Open Intermediate: Members 11-13 years of age. This class is open to second year and above project members.
 - e. Novice Senior: Members 14 years of age and over. This class is open only to members and their dog in their first year of dog project work.

- f. Open Senior: Members 14 years of age and over. This class is open to second year and above project members.
- 3. Showmanship is limited to one dog per exhibitor (may be different dog than obedience).
- 4. Small dogs will be examined on a table for showmanship excluding, Bassett Hounds, Bulldogs and other AKC non-abled small dogs.
- 5. The showmanship contest will be judged in the following manner:
- 6. Dog Showmanship (Scoring)
 - a. Appearance of handler.....15 points
 - i. Cleanliness and neatness of handler
 - ii. Appropriateness of apparel
 - b. Grooming of dog.....15 points
 - i. Brushing (mats, dead hair), trimmed toes and nails
 - ii. Clean teeth
 - iii. Groomed according to the most apparent breed type
 - c. Exhibitor's handling of dog
 - i. Front set-up.....10 points
 - ii. Head high (no choking)
 - iii. Feet placed directly beneath the shoulders
 - iv. Toes pointing straight forward
 - v. Legs should fall vertical from shoulder and parallel (within limit of the most apparent breed)
 - vi. Rear set-up.....10 points
 - vii. Legs slightly wider apart than front
 - viii. Try not to let the head drop while setting up the hindquarters
 - d. Gaiting..... 20 points
 - i. Ability to follow direction in judge's pattern
 - ii. Dog always fully visible to judge in gaiting position
 - iii. Smoothness in turns
 - iv. Ability to exhibit dog's movements according to most apparent breed
 - e. Examination.....10 points
 - i. Stand properly during entire examination
 - ii. Does not sit or move away before or during examination
 - iii. Does not growl or snap
 - iv. A dog attempting to bite handler or anyone else in the ring will be dismissed from the ring

- v. Dog is happy and attentive to handler
- f. Desirable and sportsmanlike behavior of exhibitor..... 5 points
- Sub-Total.....85 points
- g. Group exercise.....15 points
- TOTAL.....100 points

CLASSES:

- 13. Novice Junior
- 16. Open Juniors
- 19. Novice Intermediate
- 22. Open Intermediate
- 25. Novice Senior
- 28. Open Senior

Champion Jr, Int, Sr Showmanship – Award & Ribbon
 Reserve Champion Jr, Int, Sr Showmanship – Ribbon
 Sponsors:
 Carrie Jo Calvert Mountain ACDs
 Cappy and Lori Pruett DeWest Kennels

Dog Obedience

Special Obedience Class Requirements:

1. Sub-Novice A: This class is open only to members and their dog in their first year of dog project work. The member has not earned a CD title from any national dog association. A member may only compete in the A class for 1 year.
2. Sub-Novice B: This class is open only to second year project members with the same dog and must be the youth and dog team that showed the previous year in Sub-Novice A. Members entered in B Classes will be judged at a higher skill level (handler errors) than members entered in A Classes. The member has not earned a CD title from any national dog association.
3. Sub-Novice C: This class is open to experienced members with a first year dog only. The member has not earned a CD title from any national dog association.
4. Novice A: This class is open to members with no prior experience in Novice Dog Training. The member has not earned a CD title from any national dog association.
5. Novice B: This class is open to experienced members in their second year or above with a new dog or who have never received a blue ribbon at a previous country fair in this class. Members entered

in B Classes will be judged at a higher skill level (member errors) than members entered in A Classes. The member has not earned a CD title from any national dog association.

6. Grad Novice A: This class is open to members with no prior experience in Grad Novice Dog Training. The member has not earned a CDX title from any national dog association.
7. Grad Novice B: this class is open to experienced members in their second year or above Grad Novice 4-H Dog Training with a new dog or who have never received a blue ribbon at a previous county fair in this class. Members entered in this class will be judged at a higher skill level (member errors) than members entered in Grad Novice A Class. The member has not earned a CDX title from any national dog association.

Explanation of changes in Grad Novice A and Grad Novice B Classes.

1. Grad Novice Moving Stand and Examination: The judge will approach the dog from the front and will touch only the dog's head, body and hindquarters, using the fingers and palm of one hand. The judge will then order "Back to your dog," and the handler will walk around behind the dog, returning to heel position. The dog must remain standing until after the judge has said, "Exercise finished." Orders for the exercise are "Forward," "Stand your dog," (given while the handler is walking) and "Back to your dog."
2. Moving Drop on Recall: The principal features of this exercise are that the dog heel, execute a prompt response to the member's command and/or signal to down and remain in the down position until called, or signaled to come and come on command. Orders for the exercise are "Forward," "Down your dog," "Call your dog" and "Finish." The member will stand with the dog sitting in the heel position at a point designated by the judge,, who will then ask "Are you ready?" and order "Forward." The member may command or signal his or her dog to heel, and will walk briskly and naturally. After he/she has gone about 15 feet, the judge will order "Down your dog." Without pausing, the member will command and/or signal the dog to down. He or she will continue forward to the end of the ring, turn around and stand in a natural manner facing the dog. On the judge's orders or signals, the member will

command or signal the dog to come and immediately sit in front of the member until the command to finish is given by the judge.

3. Recall over Broad Jump: The principal features of the exercise are that the dog stays until directed to jump, clear the jump on a single command or signal, and immediately return to sit in front of the member. Orders are "Leave your dog," "Call your dog," "Finish." The member will stand with his/her dog sitting in the heel position at least eight feet from the jump, facing the lowest end of the lowest hurdle. When the judge orders "Leave your dog," The member will give command and/or signal to stay, go at least eight feet beyond the highest edge of the last hurdle, turn and face the dog as in the Novice recall. On the judge's order, the member will give the command or signal to jump. The dog must clear the entire distance of the broad jump without touching it and, without any further command or signal, immediately sit in front of the member until the command to finish is given by the judge. The broad jump will consist of four telescoping hurdles, all about eight inches wide and painted a flat white. The largest hurdle will measure about five feet long and about six inches at the highest point. In the ring, they will be arranged in order of size, evenly spaced, covering a distance equal to the specification of your breed.
4. See Superintendent for Jump Height Chart

CLASSES:

31. Sub-Novice A

All exercises in the class performed on leash' 6 foot lead required.

a. Heel on leash	45
b. Figure 8 on leash	35
c. Stand for exam on leash	30
d. Recall on leash	30
e. Sit and Stay (One minute; handler in front of dog holding lead)	30
f. Down and Stay (Three minutes; handler in front of dog holding lead)	30
Total:	200

34. Sub-Novice B

All exercises in the class performed on leash' 6 foot lead required.

a. Heel on leash	45
b. Figure 8 on leash	35
c. Stand for exam on leash	30
d. Recall on leash	30
e. Sit and Stay (One minute; handler in front of dog holding lead)	30
f. Down and Stay (Three minutes; handler in front of dog holding lead)	30
Total: 200	

37. Sub-Novice C

All exercises in the class performed on leash' 6 foot lead required.

a. Heel on leash	45
b. Figure 8 on leash	35
c. Stand for exam on leash	30
d. Recall on leash	30
e. Sit and Stay (One minute; handler in front of dog holding lead)	30
f. Down and Stay (Three minutes; handler in front of dog holding lead)	30
Total: 200	

40. Novice A

All exercises in this class according to AKC specifications except registration of dog is not required.

a. Heel on leash, then figure 8	40
b. Stand for exam on leash (off leash)	30
c. Heel free (figure 8 not included)	40
d. Recall (Handler about 35 feet from dog)	30
e. Sit and Stay (One minute, handler on opposite side of ring)	30
f. Down and Stay (three minutes, handler on opposite side of ring)	30
Total: 200	

43. Novice B

All exercises in this class according to AKC specifications except registration of dog is not required.

a. Heel on leash, then figure 8	40
b. Stand for exam on leash (off leash)	30
c. Heel free (figure 8 not included)	40
d. Recall (Handler about 35 feet from dog)	30
e. Sit and Stay (One minute, handler on opposite side of ring)	30
f. Down and Stay (three minutes, handler on opposite side of ring)	30
Total: 200	

46. Graduate Novice A

a. Heel on leash	40
b. Moving Stand for exam on leash (off leash)	30
c. Heel free figure 8 (off leash)	40
d. Moving drop on recall	30
e. Recall over broad jump	30
f. Down and Stay (three minutes, handler out of sight of dog)	30
Total: 200	

49. Graduate Novice B

a. Heel on leash	40
b. Moving Stand for exam on leash (off leash)	30
c. Heel free figure 8 (off leash)	40
d. Moving drop on recall	30
e. Recall over broad jump	30
f. Down and Stay (three minutes, handler out of sight of dog)	30
Total: 200	

52. Open A

a. Heel free figure 8	40
b. Drop on recall	30
c. Retrieve on flat	20
d. Retrieve over high jump	30
e. Broad Jump	20
f. Down and Stay (three minutes, handler out of sight of dog)	30
g. Long down (5 minutes; handler out of sight of dog)	30
Total: 200	

55. Open B

a. Heel free figure 8	40
b. Drop on recall	30
c. Retrieve on flat	20
d. Retrieve over high jump	30
e. Broad Jump	20
f. Down and Stay (three minutes, handler out of sight of dog)	30
g. Long down (5 minutes; handler out of sight of dog)	30
Total: 200	

58. Utility A

All exercises in this class are conducted according to AKC specifications except registration of dog is not required.

a. Signal Exercise	40
b. Scent discrimination - leather	30
c. Scent discrimination - metal	30
d. Directed retrieve of glove	30
e. Moving stand and exam	30
f. Directed jumping	40
Total:	200

61. Utility B

All exercises in this class are conducted according to AKC specifications except registration of dog is not required.

a. Signal Exercise	40
b. Scent discrimination - leather	30
c. Scent discrimination - metal	30
d. Directed retrieve of glove	30
e. Moving stand and exam	30
f. Directed jumping	40
Total:	200

Champion Jr, Int, Sr Obedience – Award & Ribbon

Reserve Champion Jr, Int, Sr Obedience – Ribbon

Sponsors:

Carrie Jo Calvert Mountain ACDs

Cappy and Lori Pruett DeWest Kennels

Dog Rally

Special Rally Class Requirements

1. Rally Novice A class is for members and their dogs in their first year of Rally Obedience, who have not received a blue ribbon at any State 4-H Dog Trial in Rally Novice, and/or the member has not earned a RN title from any national dog association. A member may only compete in the A class for 1 year.
2. Rally Novice B class is for any member who is in their second year or above of Rally Obedience with the dog they used in Rally Novice A, or who is starting a dog which has never competed in Rally. Members are allowed to compete in this class until they have obtained a blue ribbon at State 4-H Dog Trial, or the

member has not earned a RN title from a national dog association.

3. Rally Advanced A is for members in their first year of Rally Advanced training, who have not received a blue ribbon in Rally Advanced at any State 4-H Dog Trial, and/or the member has not earned a RA title from any national dog association. A member may only compete in the A class for 1 year.
4. Rally Advanced B class is for any member who is in their second year or above of Rally Advanced Obedience. Members are allowed to compete in this class until they have obtained a blue ribbon at State 4-H Dog Trial, or the member has not earned a RA title from a national dog association.
5. Rally Excellent A is for members who are in their first year of Rally Excellent training, who have not received a blue ribbon in Rally Excellent at any State 4-H Dog Trial, and/or the member has not earned a RE title from any national dog association. A member may only compete in the A class for 1 year.
6. Rally Excellent B class is for any member who is in their second year or above of Rally Excellent Obedience. Members are allowed to compete in this class for their remaining years with the same dog.

Dog Rally Scores:

1. Scores will be posted ringside after each dog and member team has completed the final exercise. Times will be recorded but not posted. Times will be used only to break ties for Champion and Reserve Champion awards.
2. Scoring for all levels is based on a maximum score of 100 points. The following deductions shall apply:
 - a. **1-point deduction for each of the following:**
 - i. tight leash
 - ii. dog interfering with handler's forward motion
 - iii. poor sits
 - iv. slow, delay, or resistance to respond
 - v. touching or ticking a jump, pylon, post or person
 - vi. out of position

- b. 3-point deduction for each of the following:**
 - i. repeat of a station (a maximum of 2 re-tries allowed)
 - ii. pylon/post knocked over (on Figure Eight, Spiral, and Serpentine)
 - iii. lack of control
 - iv. loud command or intimidating signal
 - v. excessive barking
- c. 10-point deduction for each of the following**
 - i. incorrectly performed station
 - ii. hitting the jump
- d. 1- to 10-point deduction:**
 - i. lack of teamwork
 - ii. lack of briskness
 - iii. handler error
- e. A score of zero (0) shall be given for:**
 - i. minimum requirements not met
 - ii. dog unmanageable or uncontrolled barking
 - iii. station not attempted
 - iv. consistently tight lead
 - v. substantially out of position/not completing the honor exercise
 - vi. elimination in the ring during judging
 - vii. bar knocked off the uprights
 - viii. using a jump as an aid in going over
 - ix. failure of a dog to go over the jump in the proper direction
 - x. handler error

Timing

1. All dogs will be timed. Times will be used only in the event of ties. Timing will begin when the Judge gives the order, "Forward" and will end when dog and member cross the finish line. In the case of tie scores, the dog and member completing the course in the least amount of time will receive the higher placement and a plus (+) after the score. The original scores will not be changed. In the event that both the score and time are the same, the dog and member teams will repeat the course and be judged and timed again.

Jumps

1. The High Jump consists of two uprights and solid boards of varying widths that combine to make each dog's required jump height.
2. The Bar Jump also has two uprights. These are constructed to support only a striped bar which is set at the dog's required jump height.
3. The Broad Jump will consist of three telescoping hurdles, each approximately 8 inches wide. The largest hurdle will measure about 4 feet 10 inches long (if from a 5-foot set) and about 5 inches at the highest point.
4. In the ring, broad jump hurdles will be arranged in order of size from smallest to largest. They will be evenly spaced, covering a distance equal to twice the height of the high jump set for each dog.
5. Three hurdles will be used for a jump of 32 inches and two hurdles for a jump of 16 or 24 inches. When decreasing the number of hurdles in the jump, the highest hurdle will be removed first.

Jump Heights

1. The dog's jump height shall be given on the entry form. Entries may be arranged according to the jump height of the dogs, from either high to low or low to high.
2. Height of Dog at Withers Height to be Jumped
 - a. Under 15" 8"
 - b. 15" and under 20" 12"
 - c. 20" and over 16"

Rally Novice Class

1. All exercises are judged on leash, and all dogs must enter and leave the ring on leash.
2. The leash must be made of fabric or leather and needs to be long enough to provide adequate slack.
3. Rally Novice must have between 10 – 15 stations (Start and Finish not included) with no more than five (5) stationary exercises per class.

Rally Advanced Class

**Please note the Colorado State 4-H rules for Advanced Rally differ from AKC rules. Please read carefully.*

1. All exercises are judged **on** leash. All dogs must enter and leave the ring on leash.

2. Rally Advanced A and B must have between 12 – 17 stations (Start and Finish not included) with no more than seven (7) stationary exercises per class.
3. One jump must be used for this class. It is the judge's responsibility to see that the jumps are set for each dog in accordance with these Regulations.

Rally Excellent Class

1. All exercises are judged off leash except the Honor Exercise.
2. All dogs must enter and leave the ring on leash.
3. Rally Excellent must have between 15 – 20 stations (Start and Finish not included) with no more than seven stationary exercises per class.
4. Unlike in the Rally Novice and Advanced Classes, in Rally Excellent members are not allowed to pat their legs or clap their hands to encourage the dog. Verbal encouragement, multiple commands, and/or inaudible signals using one or both arms and hands are allowed; the member's arms need not be maintained in any particular position at any time.
5. Members may not touch their dog or make any physical corrections.
6. Two jumps must be used for this class.
7. Jumps may be any jump or any combination of the jumps that may be used as standard equipment in the 4-H obedience classes (broad jump, high jump, or bar jump), except that 4-foot jumps may be used in place of 5-foot jumps.
8. Various colors and decorations are allowed; however, there must be nothing hanging from the jump.
9. Jumps may not be used consecutively on the course.

The Honor Exercise

1. Prior to each class, the judge will designate either the sit or the down for the Honor Exercise, as well as the placement in the ring, and will also designate where the member will stand during the exercise – either next to or facing the dog.
2. The Honor Exercise must not be in the path of the dog and member team that follows.

3. Volunteer dogs will be used for both honoring the first dog in the class and as a course run-through when the last dog performs the Honor Exercise.
4. After completing the course, each dog and member may either re-enter through the finish gate, or they may proceed directly to the honor station.
5. The dog must remain in either a sit or a down position to honor the next dog and member's entire course. This exercise must be performed on leash.
6. For the Honor Exercise, the ring steward will monitor each team, record the score, and immediately report it to the table steward.

CLASSES:

- 64. Rally Novice A**
- 67. Rally Novice B**
- 70. Rally Advanced A**
- 73. Rally Advanced B**
- 76. Rally Excellent A**
- 79. Rally Excellent B**

Champion Jr, Int, Sr Rally – Award & Ribbon
Reserve Champion Jr, Int, Sr Rally – Ribbon
Sponsors:
Carrie Jo Calvert Mountain ACDs
Cappy and Lori Pruett DeWest Kennels

GRAND CHAMPION OVERALL DOG

Sponsor: Unique Embroidery & Trophies, Fort Morgan

RESERVE GRAND CHAMPION OVERALL DOG

Sponsor: Countryside Service, Weldona