

2019 Larimer County Fair

5280 Arena Circle, Ste #101

Loveland, CO 80538

Fairgrounds Main Office - (970) 619-4000 FAX 619-4001

Fair Extension Entry Office - (970) 619-4080 (July 10 – August 9) FAX – 970-619-4085

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2019 Larimer County Fair Schedule of Events

SCHEDULE as of May 21, 2019 ---- SCHEDULE SUBJECT TO CHANGE

WEDNESDAY, JULY 10

8:00 a.m. - 5:00 p.m. Fair Extension Office Opens,
McKee Building, The Ranch

THURSDAY, JULY 11

8:00 a.m. - 5:00 p.m. Fair Extension Office Open,
McKee Building, The Ranch

FRIDAY, JULY 12

8:00 A.M. - 5:00 p.m. Fair Extension Office Open,
McKee Building, The Ranch

MONDAY, JULY 15

8:00 a.m. - 6:00 p.m. 4-H & OPEN CLASS EXHIBIT
ENTRY/PRE-REGISTRATION
FORM SUBMISSION DEADLINE-
Fairgrounds Extension Office,
McKee Building, The Ranch

By 6:00 p.m. Musical Freestyle Riding Pattern and
Music Submitted to Fairgrounds
Extension Office, *McKee Building,
The Ranch*

THURSDAY, JULY 18

5:00 p.m. - 6:30 p.m. 4-H Cat Show Set Up *4-H BLDG*

FRIDAY, JULY 19

8:00 a.m. - 9:00 a.m. 4-H Cat Show Check-In *4-H BLDG*
9:00 a.m. 4-H Cat Show *4-H BLDG*
1:00 p.m. - 4:00 p.m. Dog Show Set-Up *NEXH*
5:00 p.m. Dress-A-Pup *NEXH*
5:00 p.m. **All Horse Entries Close**

SATURDAY, JULY 20

1:00 p.m. - 2:00 p.m. 4-H Dog Showmanship & Advanced,
Excellent & Advanced/Excellent
Rally Check-In *SEXH*
2:30 p.m. 4-H Dog Showmanship & Advanced,
Excellent & Advanced/Excellent
Rally Show
SEXH

SUNDAY, JULY 21

8:00 a.m. - 9:30 a.m. 4-H Dog Obedience & Novice &
Intermediate Rally Check-In *SEXH*
10:00 a.m. 4-H Dog Obedience & Novice &
Intermediate Rally Show
SEXH

WEDNESDAY, JULY 24

7:30 a.m. **Sign up for Interview Judging
Open until 12:00 noon Monday
July 29 - Online**
9:00 a.m. 4-H Fashion Revue Judging,
4-H BLDG
5:00 p.m. All 4-H Entries Close (No entries
accepted beyond this point)
7:00 p.m. Public Fashion Revue,
4-H BLDG, Exhibit Hall

THURSDAY, JULY 25

4:00 p.m. Premier Exhibitor Testing
4-H BLDG
4:00 p.m. Supreme Beef Interviews
4-H BLDG
4:00 p.m. Dairy Goat Knowledge Bowl Contest
4-H BLDG
7:00 p.m. Livestock Superintendent Meeting,
RSA

FRIDAY, JULY 26

6:00 p.m. - 8:00 p.m. 4-H Horse Stall Set Up (No Horses)
WPAV

SATURDAY, JULY 27

9:30 a.m. LARIMER COUNTY FAIR
PARADE *Downtown Loveland*
6:00 p.m. - 8:00 p.m. **Session One & Whole Fair Camper
Check-In**
4:00 p.m. - 6:00 p.m. **Horse Check-In ALL Horses
Vet Check WPAV**
5:00 p.m. - 8:30 p.m. **Mac Equipment Indoor Arena &
Round Up Outdoor Arena - Open
Barn Closes WPAV**

SUNDAY, JULY 28

6:00 a.m. Barn Opens *WPAV*
7:30 a.m. - 9:00 a.m. Indoor & Outdoor Arenas Open
8:00 a.m. Model Rocketry Fly Day
Field East of Parking Lot A
8:00 a.m. - 12:00 Noon **Session One & Whole Fair Camper
Check-In**
10:00 a.m. - 6:00 p.m. 4-H Horse Show English Classes
INA & BEC
4:00 p.m. - 6:00 p.m. Barn Access Feeding Time *WPAV*
6:00 p.m. - 8:00 p.m. English Horse Check-Out *WPAV*
9:00 p.m. Barn Closes *WPAV*
4:00 p.m. - 6:00 p.m. Dairy /Pygmy Goat Barn Set Up
EPAV

MONDAY, JULY 29

6:00 a.m. Barn Opens *WPAV*
6:00 a.m. - 7:00 a.m. Indoor & Outdoor Arenas Open
6:00 a.m. - 8:00 a.m. Barn Access Feeding Time *WPAV*
8:00 a.m. - 4:00 p.m. 4-H Horse Show Western Classes
INA & BEC
4:00 p.m. - 6:00 p.m. Barn Access Feed Time *WPAV*
4:00 p.m. - 7:00 p.m. Interview Judging Set Up
4-H BLDG
4:00 p.m. - 7:00 p.m. Open Class Exhibit Set Up
SEXH
4:00 p.m. - 7:00 p.m. **Dairy/Pygmy Goat Check-In & Vet
Check EPAV**
6:00 p.m. Musical Freestyle *INA*
9:00 p.m. **Barns Close WPAV**

BEC Budweiser Events Center

INA Mac Equipment Indoor Arena

EPAV Mac Equipment Livestock Pavilion - East

SEXH First National Bank Exhibition Hall - South *WPAV* Mac Equipment Livestock Pavilion - West *RUAO* Round Up Outdoor Arena

NEXH First National Bank Exhibition Hall - North *LHOA* Long Horn Outdoor Arena *RSA* Ranch Small Arena

4-H BLDG McKee 4-H & Community Bldg.

2019 Larimer County Fair Schedule of Events

SCHEDULE as of May 21, 2019 ---- SCHEDULE SUBJECT TO CHANGE

FRIDAY, AUGUST 2

(continued)

6:00 p.m. - 9:00 p.m. Rabbit Check-In (all rabbits) *WPAV*
 7:00 p.m. Poultry Barn Closed *EPAV*
 10:00 p.m. Barns Close *EPAV & WPAV*

SATURDAY, AUGUST 3

6:00 a.m. Barns Open *EPAV & WPAV*
 6:00 a.m. - 8:00 a.m. Barn Access Feeding Time
EPAV & WPAV

7:00 a.m. - 10:00 a.m. Dairy Cattle Check In *WPAV*
 8:30 a.m. - 3:30 p.m. Poultry Showmanship *EPAV*
9:00 a.m. - 11:00 a.m. Session Two Camper Check-In
9:00 a.m. Sheep - Pee Wee Showmanship,
Market Classes *RSA*

10:00 A.M. Weighing Meat Production Trio
 Chickens *EPAV*

10:00 a.m. - 6:00 p.m. Rabbits-Six-Class, Non-Purebred
 Pets, Market Rabbits & Four Class-
 Judging *WPAV*

10:00 a.m. - 9:00 p.m. 4-H & Open Class Exhibit Halls
Open to the Public

4:00 p.m. Swine Showmanship *RSA*

4:00 p.m. - 6:00 p.m. Barn Access Feeding Time
EPAV & WPAV

6:00 p.m. 4-H Rabbit Check-Out (not all
 rabbits) *WPVA*

10:00 p.m. Barns Close *EPAV & WPAV*

SUNDAY, AUGUST 4

6:00 a.m. Barns Open *EPAV & WPAV*
 6:00 a.m. - 8:00 a.m. Barn Access Feeding Times
EPAV & WPAV

7:00 a.m. - 9:00 a.m. Free Pancake Breakfast *Private*
Party Tent outside Indoor Arena
 9:00 a.m. Market Swine & Club Pen of Three
 Market Swine, Under Weight/Over
 Weight Pigs Judging
RSA

9:00 a.m. Poultry Judging *EPAV*

10:00 a.m. - 2:30 p.m. Rabbit Showmanship *WPAV*

10:00 a.m. - 8:00 p.m. 4-H & Open Class Exhibit Halls
Open to the Public

1:00 p.m. - 3:30 p.m. Poultry Showmanship *EPAV*
 4:00 p.m. Dress A Bunny Contest
INA Concourse

4:00 p.m. Breeding Beef Judging followed by
Beef Showmanship *INA*

4:00 p.m. - 6:00 p.m. Barn Access Feeding Time
EPAV & WPAV

7:00 p.m. PRCA RODEO Performance
BEC

10:00 p.m. Barns Close *EPAV & WPAV*

MONDAY, AUGUST 5

5:00 a.m. Barns Open *WPAV*

6:00 a.m. Barns Open *EPAV*

6:00 a.m. - 8:00 a.m. Barn Access Feeding Time
EPAV & WPAV

9:00 a.m. Market Beef Judging - Heifers, Steers
INA

MONDAY, AUGUST 5

(continued)

9:00 a.m. - 6:00 p.m. Poultry-Judging - *EPAV*
 11:00 a.m. Dairy Cattle Costume Judging
RSA

2:00 p.m. - 8:00 p.m. 4-H & Open Class Exhibit Halls
Open to the Public

4:00 p.m. - 6:00 p.m. Barn Access Feeding Time
EPAV & WPAV

4:00 p.m. - 6:00 p.m. Milking Dairy Cattle Check-In
WPAV

6:00 p.m. - 8:00 p.m. Rabbit Awards Ceremony
RSA

8:00 p.m. - 10:00 p.m. Rabbit Check-Out *WPAV*
 7:00 p.m. PRCA RODEO Performance, "4-H
 Family Night", Market Animal
 Parade of Champions *BEC*

10:00 p.m. Barns Close *EPAV & WPAV*

TUESDAY, AUGUST 6

5:00 a.m. Barns Open *WPAV*

6:00 a.m. Barns Open *EPAV & WPAV*

6:00 a.m. - 8:00 a.m. Barn Access Feeding Time
EPAV & WPAV

8:00 a.m. - 10:00 a.m. Rabbit Check-Out *WPAV*

9:00 a.m. Dairy Cattle Show *INA*

9:00 a.m. Beef Fitting Contest
West Side of West Pavilion

Goat Fitting Contest

West Side of West Pavilion

(Immediately after the Beef Contest)

Mandatory Sale Meeting

INA Bleachers

2:00 p.m.

2:00 p.m. Wild & Crazy Kids Day, *LHOA*

2:00 p.m. - 7:00 p.m. 4-H & Open Class Exhibit Halls
Open to the Public

4:00 p.m. - 6:00 p.m. Barn Access Feeding Time
EPAV & WPAV

4:00 p.m. Round Robin Clinic *INA*

5:00 p.m. Poultry Department Awards Night
RSA

Poultry Exhibit Private Treaty Sale &
 Poultry Checkout & Barn Clean up
(following awards) EPAV

7:00 p.m. Set Up for 4-H & Open Class Check-
 Out *4-H BLDG & SEXH*

7:00 p.m. PRCA RODEO Performance
BEC

10:00 p.m. Barns Close *EPAV & WPAV*

WEDNESDAY, AUGUST 7 JUNIOR LIVESTOCK SALE DAY

6:00 a.m. Barns Open *EPAV & WPAV*

6:00 a.m. - 8:00 a.m. Barn Access Feeding Time
EPAV & WPAV

7:00 a.m. - 10:00 a.m. 4-H Exhibits Check-Out
4-H Building

7:00 a.m. - 1:00 p.m. Livestock Check-Out, excluding
 Junior Livestock Sale Animals

BEC Budweiser Events Center

INA Mac Equipment Indoor Arena

EPAV Mac Equipment Livestock Pavilion - East

SEXH First National Bank Exhibition Hall - South *WPAV* Mac Equipment Livestock Pavilion - West *R/OA* Round Up Outdoor Arena

NEXH First National Bank Exhibition Hall - North *LHOA* Long Horn Outdoor Arena *RSA* Ranch Small Arena

4-H BLDG McKee 4-H & Community Bldg.

2019 Larimer County Fair Schedule of Events
SCHEDULE as of May 21, 2019 ---- SCHEDULE SUBJECT TO CHANGE

WEDNESDAY, AUGUST 7

(continued)

7:00 a.m. – 12:00 Noon	Session Two Camper Check-Out MUST BE OUT BY NOON
7:00 a.m. – 7:00 p.m.	Premium Money may be picked up <i>4-H BLDG</i>
9:00 a.m.	Sr., Int., & Jr. Round Robin <i>INA</i>
4:00 p.m. – 6:00 p.m.	Barn Access Feeding Time <i>EPAV & WPAV</i>
4:30 p.m. - 10:30 p.m.	Junior Livestock Sale <i>RSA</i>
5:00 p.m. – 7:00 p.m.	Open Class Check-Out <i>SEXH</i>

THURSDAY, AUGUST 8

9:00 a.m. – 4:00 p.m.	Extension Fair Office Open <i>(Premium money may be picked up)</i> <i>4-H BLDG</i>
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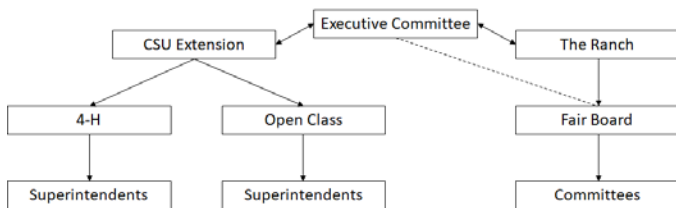
FRIDAY, AUGUST 9

8:00 A.M. – 12:00 Noon	Extension Fair Office Open <i>(Premium money may be picked up -</i> <i>money not picked up by noon will be</i> <i>forfeited)</i> <i>4H BLDG</i>
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General Information

Cooperation: The Larimer County Fair & Rodeo is held in cooperation with the Larimer County Board of Commissioners, The Ranch, the Larimer County Fair Board, the PRCA Rodeo Committee and the Larimer County Office of Colorado State University Extension. The Larimer County Fair & Rodeo does not discriminate on the basis of race, color, sex, religion, age, disability, sexual preference, veteran or marital status, or national origin in its policies or activities.

County Fair Structure



Executive Committee: Made up of a County Commissioner, CSU Extension Director, The Ranch Director, The Fair Board President and the Rodeo representative.

4-H Fair Show Management: 4-H staff and volunteer Superintendents.

Fairground Location: The Larimer County Fair is held at The Ranch located just east of Interstate Highway 25, between exit numbers 259 (Crossroads Blvd.) and 262 (Windsor Highway 392). Access to grounds is off of Fairgrounds Avenue (County Road 5). The mailing address of the Fair Office is 5280 Arena Circle, Suite 101, Loveland, Colorado 80538. Phone 970-619-4009; Fax 970-619-4085. **(Fair Extension Office Phone is 970-619-4080, July 10 - August 9)**

Responsibility: The Ranch, Larimer County Fair Board, and Extension staff will use reasonable diligence to insure safety of exhibits after their arrival and placement but in no case will they be responsible for any loss or damage done to, occasioned by, or arising from any animals or articles on exhibition. The exhibitors shall indemnify The Ranch, Larimer County Fair Board and Extension staff and volunteers of all legal or other proceedings in regard thereto. The entry of any exhibits on the show grounds by any and all exhibitors shall signify his or her agreement to abide by this rule.

Leash Law: Larimer County and the City of Loveland require all dogs to be on a leash at all times on public property. For the safety of animals and people, The Ranch discourages bringing dogs to the Larimer County Fair & Rodeo.

Exhibition Hall Schedule

The First National Bank Building South Exhibition Hall and McKee 4-H Building are open for public viewing:
 Friday, August 2 4 p.m. to 9 p.m.
 Saturday, August 3 10 a.m. to 9 p.m.
 Sunday, August 4 10 a.m. to 8 p.m.
 Monday, August 5 2 p.m. to 8 p.m.
 Tuesday, August 6 2 p.m. to 7 p.m.

First Aid and Emergencies: Every effort will be made to have Emergency Medical Services personnel on site during the busiest times of the Larimer County Fair & Rodeo. A First Aid room will be designated. Please contact any staff member if you need assistance for medical treatment and in the event of a life threatening emergency, please call 911.

Thank you note for Awards - All special awards and trophies are provided by sponsors. These people need to receive a thank you note from the winners in order to encourage their sponsorship for future years. Names and addresses of award sponsor(s) are located on the bottom of the award or in an envelope received when premium money is received.

Larimer County Fair Congeniality Award

The Ted and Mabel Thompson Fair Congeniality Memorial Award will be presented to a Junior Fair exhibitor who works "above and beyond the call of duty" at the 2019 Larimer County Fair. Nominations are to be made via letter to the Extension Office, postmarked no later than **September 16** and should include a brief description of what the individual did to make the 2019 Larimer County Fair a better event. Anyone can nominate an exhibitor. The award will be presented at the county 4-H Achievement Program.

Exhibitor General Rules and Regulations

1. Entries – Prior Entry is required in all departments. Entry Pre-Registration Forms must be submitted to the Larimer County Extension Fair Office, 5280 Arena Circle, Ste #101, Loveland, CO 80538, by 6:00 p.m., July 15. Postmarks, faxes, or internet entries accepted only if posted on or before July 15.

2. Late Entries – 4-H Entry forms received after July 15 are subject to a \$25 late charge per class. No late entries will be taken after 5:00 p.m. on Wednesday, July 24 for 4-H exhibits. No late entries will be taken for Horse after 5:00 p.m. on July 19. Open Class Pre-Registration Forms must include a \$5.00 per department late fee. No late entries will be taken after department check in.

3. Premiums and Special Awards: Exhibitors who win a placing ribbon, i.e. Blue (1st), Red (2nd), White (3rd) receive a cash award (premium). Exhibitors may collect payment for premiums and special awards during the following times.

Wednesday, August 7: 7:00 a.m. - 7:00 p.m. (All Departments)

Thursday, August 8: 9:00 a.m. - 4:00 p.m. (All Departments)

Friday, August 9: 8:00 a.m. - 12:00 noon (All Departments)

Award Money not collected before noon, Friday, August 9 will be forfeited. No Exceptions.

4. Judging – See the judging schedule in front of Fair Book. The decision of the judges will be final. No exhibitor shall be permitted to follow the judges about while the awards are being made. No exhibitor, parent, or superintendent shall try to influence the judge, or in any way hinder the progress of judging. Any discourtesies to the superintendents, judges, or fair officials by the exhibitor, parent, or other person shall be reported to the **Superintendent or Extension staff person with responsibility for that particular class or area.** Violators of this rule will be barred from one or more future Larimer County Fairs.

Any spectator that is interfering with the judging of any event will be asked to leave the show ring area.

5. Release of Exhibits – No exhibit shall be released until 7:00 a.m. Wednesday, August 7, except livestock as listed in the schedule. All exhibits in the 4-H Building must be picked up between 7:00 a.m. and 10:00 a.m., Wednesday, August 7. Open Class exhibits in the South Exhibition Hall must be picked up between **5:00 p.m. and 7:00 p.m., Wednesday, August 7. The 4-H Fair Show Management will not be responsible for exhibits left after 7:00 p.m., August 7.** Removal of any exhibit before the designated time will cause the forfeiture of award money. Early removal requires a written approval from the affected Department Head Superintendent or Department Extension contact person.

6. Rule Violation – A report of a rule violation may be communicated by any means to a Larimer County Extension staff person or Superintendent with responsibility for that particular class or area. All reports regarding conduct or activity during the County Fair shall be made immediately. Any reports of violations of Fair rules will be promptly, impartially, and fully investigated. **The identity of the individual(s) making reports of possible violations or protests and the identity of individuals against whom allegations have been made will be confidential and only revealed as is necessary to investigate the allegations and for any disciplinary hearings. Larimer County Extension**

staff person or Superintendent with responsibility for that particular class or area will communicate final decisions with appropriate parties.

7. Protest – A protest is an allegation that a specific rule of the Larimer County Fair has been violated and must be made in writing and be signed by the person making the protest (and signed by at least one adult). Such protest must set out the particular allegations in detail and state which specific Larimer County Fair rule has been violated on the Appeal Form. A protest must be accompanied by \$100.00 for protests. Said protest fee shall be paid in cash or check and will be returned if the protest is sustained. All protests shall be submitted to the Larimer County Extension staff person with responsibility for that particular class or area immediately after the occasion for such protest, up to 2 hours after the decision or incident being protested. No protest of the Judge's decision will be considered.

A review committee will be established to include the Larimer County Extension staff person with responsibility for that particular class or area, and 2 recruited Superintendents with knowledge of the issue/topic to support making an unbiased and informed decision.

A final decision will be made and communicated in writing to the protester and individual in question from the review committee. Any exhibitor, 4-H parent or legal guardian, or 4-H leader who violates any rule or regulation may be subject to forfeiture of all privileges, awards, and premiums and to such other penalty as agreed to by the Review Committee.

In the event that the exhibitor is not satisfied by the protest resolution, the exhibitor may appeal the protest resolution to the Fair Executive Committee. The appeal must be in writing, on an Appeal Form, and accompanied by a fee of \$100.00 in cash or check. The appeal shall plainly state the matter being appealed and shall be delivered to Larimer County Extension staff person with responsibility for that particular class or area within 2 hours of the protest resolution was communicated. The decision of the Fair Executive Committee is final. The fee(s) imposed above shall be refunded if the matter is resolved in favor of the person bringing the protest or appeal. The forms and policy further explain the protest and appeals procedure.

The Fair Executive Committee has the final and absolute opportunity to evaluate the appeal of review committee. Any exhibitor, 4-H parent or legal guardian, or 4-H leader who violates any rule or regulation may be subject to forfeiture of all privileges, awards, and premiums and to such other penalty as agreed to by the Executive Committee.

8. Unsportsmanlike Conduct – When an exhibitor, parent or leader is guilty of unsportsmanlike conduct and/or inhumane/unethical treatment of an animal, the privilege of that person to participate in future Larimer County Fairs may be revoked.

9. The use of marijuana and CBD in any display, food item, or exhibit is prohibited and shall be rejected. The exhibitor shall be referred to law enforcement.

10. Alcohol Restrictions: Pursuant to Colorado Statute 12-47-901(1)(h)(I), it is illegal to bring any outside alcoholic beverages onto the Larimer County Fairgrounds and Events Complex, including parking lots. Alcoholic beverages not purchased on the premises will be confiscated immediately and may result in fines and/or ejection from the premises.

Out of respect for the goals of the 4-H Youth Development Program and the Colorado 4-H Code of Conduct, alcoholic beverages are discouraged in the 4-H camping areas, Thomas M. McKee 4-H Youth and Community Building, and areas where 4-H animals are housed.

4-H Rules & Regulations

1. Eligibility: Only members in good standing regularly and actively enrolled in the Larimer County 4-H program who have carried out and completed all required project work to date, are eligible to exhibit and show in the 4-H fair classes. (Members must have passed their 8th birthday but not their 19th birthday on December 31, 2018. 4-H exhibitors must be enrolled in the project in which they are exhibiting. 4-H Cloverbuds must have passed their 5th birthday on December 31, 2018.

2. Fees: \$1.00 health inspection fee for horses, beef cattle, dairy cattle, alpaca, goats, sheep, swine, dogs and cat must accompany the entry form(s). Other fees are noted on the entry form.

3. Prior Entry: Prior entry is required in all 4-H departments. Entry forms must be submitted to the Larimer County Extension Fair Office, at the Fairgrounds in Loveland on or before July 15, by 6 p.m.

4. Adding Classes: Classes may be created by Extension Agents for emerging youth development programs under auspices of Larimer County Office of Colorado State University Extension.

5. Code of Conduct: The Larimer County Fair and Rodeo is a family event environment. Patron behavior is expected to be consistent with this family atmosphere. Any violations of rules at The Ranch, local ordinances, or State Statutes may result in eviction from the facility and/or the filing of criminal charges. All 4-H members, parents and leaders must abide by the Colorado 4-H Code of Conduct.

4-H General Division

(Static Projects)

Coordinating Superintendent – Cindy Buckardt
Assistants – Brent Buckardt, Curtis Buckardt
Extension Contact – 4-H Agent

Rules

1. **Entries** - Prior entry is required in all departments. An entry form must be submitted to the Larimer County Fair Office by July 15. **Late entries – Entry forms received after July 15 are subject to a \$25.00/class late charge. No late entries will be taken after 5:00 p. m. on Wednesday, July 24, for 4-H exhibits.**

2. **All project areas will be Judged:** Every effort should be made to participate in the interview judging process, but it is not mandatory.

Interview Judging Procedures

A. Scheduling for the interview judging will be on the internet. Log on to (<https://apps.larimer.org/extensions/fourh/>) and follow the directions to schedule an interview. All interview judging will be done on Tuesday, July 30 from **9:00 a.m. - 5:30 p.m.** The internet site will be accessible July 24 – July 29, **until 12:00 noon** to schedule the July 30 interviews. If you do not have access to the internet, contact the Extension Office at 498-6000 to schedule your time. You will only be able to schedule times for classes you have entered.

B. Exhibits will be checked in at time of the interview.

C. Interviews will not be assigned for members who do not schedule a time. **If an exhibitor is unable to participate in interview judging, the exhibit may be brought to the 4-H Building on Tuesday, July 30, between 8:30 a.m. – 10:00 a.m. and picked up between 7:00 a.m. – 10:00 a.m. on Wednesday, August 7.**

3. Ages for the Junior and Senior classes are as follows:
Junior – members ages 8 - 13, as of December 31, 2018.
Senior – members 14 and over, as of December 31, 2018.
When classes include Junior, Intermediate and Senior, class divisions are as follows:
Junior - 8 to 10 years, as of December 31, 2018
Intermediate - 11 to 13 years, as of December 31, 2018
Senior - 14 years and over, as of December 31, 2018

4. **Entry labels:** Each exhibit item and sturdy binder (containing e-Record and other materials) is to have a label containing the following: **county name (Larimer), county number (636), exhibitor name and age, department, division, and class. The label needs to be on the upper right hand front outside of the binder/notebook and on the exhibit, usually the back of the exhibit or on the flap.** All exhibits must be accompanied by a completed label. For security reasons, do not list the member address on projects.

5. **Exhibits will be released and must be removed between 7:00 a.m. – 10:00 a.m. on Wednesday, August 7.** No exhibit will be released prior to that time. All articles **MUST** be checked out with the Superintendent(s) in charge. Superintendents and Extension Office are not responsible for exhibits after check-out time. Items not picked up will be taken to the Extension Office in Fort Collins. They will be kept for two weeks and then discarded.

6. Completed records must accompany all 4-H General projects. Members are to fill out an e-record and include the proper project information and present it in a sturdy binder/notebook. You may find

the e-record at <https://larimer.extension.colostate.edu> Click on 4-H, then General Projects. Select your project from the list and find your e-record or you can obtain one from the Extension Office.

7. Members enrolled in more than one unit of the same project may exhibit in both units. An exhibit made for more than one project cannot be entered in more than one department or class. The exhibitor must make the choice. Exhibitors must be enrolled in the project unit they are exhibiting in and must follow exhibit requirements. **No** live bees, live ammo, broad heads, knives, or functional firearms are allowed to be displayed in any project.

8. **Projects will be evaluated on the quality of information completed in the manual and e-record (25 percent) and quality of exhibit (75 percent).** Ribbons will be awarded on the Danish system. A champion and/or reserve champion will be awarded in each class if there are entries of championship quality and will be selected from **the blue award exhibits only**, except where otherwise indicated.

9. **Picking up Award Money:** Please see the Exhibitors Rules section on **page 7, #3** for the procedure.

10. The champion exhibit in each class will represent Larimer County at the State Fair, except where otherwise indicated. **All exhibits qualifying for State Fair must be checked in by exhibitors and/or parents in the Fort Collins Room during check-out time. Exhibits will be taken to State Fair on Wednesday, August 14.**

Premium money will be:
Blue – \$2.00; Red – \$1.50; White – \$1.00

Displays for County Fair 4-H Exhibits

Display boards are the only boards that can be used for 4-H projects.

1. Display boards are made of lightweight cardboard and are sturdy, attractive, inexpensive and available at most local stores. They come in several colors. When opened, the 1 foot wide winged sides provide a surface to help the exhibits stand alone on a table top. **The standardized display board size of 4' x 3' is to be used for 4-H projects.**

2. No headers. No attachments are allowed on the display boards that would prevent the board from lying flat.

Tips

1. Boards must be easily read from a distance of 3-to-5 feet. Use large, bold letters (at least 3" high) for exhibit title or captions.

2. Design the exhibit, keeping in mind the size and shape of the open show board (three surfaces including the wings).

3. When mounting items on the display board, avoid things that are bulky or heavy which could cause the display board to collapse. Mount items securely so they won't fall off. Tape will not work.

4. You have only **60 – 90 seconds** for the message to be read; be concise.

5. Tell your story with visuals.

6. Avoid putting too much in the exhibit. It should never have a crowded look.

7. Dark lettering on a light background is most visible.

8. Do not use headers or attachments on your display board.

Binder: (For e-Records, additional materials and manuals)

1. Use a sturdy binder to hold the e-Record, manuals, supplements and other materials securely.

2. Stacks easily and lies flat.

3. Do not use the slider-type binders as the e-Record, manuals, supplements and other materials will not stay secure in these types of binders. If using pocket folders, make sure that the contents are placed in the prongs, do not leave in the pockets.

Department L

Animal Science

Veterinary Science

Exhibit Requirements

All exhibits will consist of the following:

A. A project manual and e-Record presented in a sturdy binder/notebook including these items: manual with appropriate sections 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.

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. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board

Unit 1

From Airedales to Zebras

Class

101. Unit 1- From Airedales to Zebras - Junior
102. Unit 1 – From Airedales to Zebras - Intermediate
103. Unit 1 – From Airedales to Zebras – Senior

Unit 2

All Systems Go

Class

104. Unit 2 – All Systems Go - Junior
105. Unit 2 – All Systems Go - Intermediate
106. Unit 2 – All Systems Go – Senior

Unit 3

On the Cutting Edge

Class

107. Unit 3 – On the Cutting Edge - Junior
108. Unit 3 – On the Cutting Edge - Intermediate
109. Unit 3 – On the Cutting Edge - Senior

Note: Turn in work from the above manuals. Do not fill out the Nebraska materials, (The Normal Animal, Animal Disease, and Animal Health). They are a resource only.

Special Awards

Overall Champion Veterinary Science Exhibit

Big Thompson Animal Hospital, Mickey Wiltz, DVM,
Loveland

Outstanding Unit 1 Veterinary Science Exhibit

Anna Nelson Memorial Award, Gathright Family,
Fort Collins

Outstanding Unit 2 Veterinary Science Exhibit

Jeff & Amanda Johnston Family, Fort Collins

Outstanding Unit 3 Veterinary Science Exhibit

Mountain View Feeders, Chad & Nikki Uthmann, Fort Collins

Outstanding Junior Veterinary Science Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Veterinary Science Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Veterinary Science Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department L
Horseless Horse

Superintendent – Jane Lentz

Exhibit Requirements

All exhibits will consist of the following:

A. The completed project manual and e-Record presented in a sturdy binder/notebook.

B. A display board illustrating a topic investigated during the project year. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Unit 1
Making Horse Sense

Class

201. Unit 1 – Making Horse Sense - Junior

202. Unit 1 – Making Horse Sense - Intermediate

203. Unit 1 – Making Horse Sense - Senior

Unit 2
Hooves, Health and Horsemanship

Class

204. Unit 2 – Hooves, Health & Horsemanship - Junior

205. Unit 2 – Hooves, Health & Horsemanship - Intermediate

206. Unit 2 – Hooves, Health & Horsemanship - Senior

Unit 3
Breaking Ground

Class

207. Unit 3 – Breaking Ground - Junior

208. Unit 3 – Breaking Ground – Intermediate

209. Unit 3 – Breaking Ground - Senior

Unit 4
Brushing Up On Horses

Class

210. Unit 4 – Brushing Up On Horses - Junior

211. Unit 4 – Brushing Up On Horses - Intermediate

212. Unit 4 – Brushing Up On Horses - Senior

Special Award

Overall Champion Horseless Horse Exhibit

Animal Medical Services of the Rockies, Karen Riedlinger,
DVM, Wellington

Outstanding Junior Horseless Horse Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Horseless Horse Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Horseless Horse Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department L

Cats

All exhibits will consist of the following:

A. A completed Companion Animal e-Record presented in a sturdy binder/notebook.

B. A display board illustrating a topic investigated during the project year. The standardized display board size of 4' x 3' is to be used. No additional items may be included in front of display board.

Unit 1

Purr-Fect Pals

Class

301. Cat 1 - Junior

302. Cat 1 - Intermediate

303. Cat 1 - Senior

Unit 2

Climbing Up

Class

304. Cat 2 - Junior

305. Cat 2 - Intermediate

306. Cat 2 - Senior

Unit 3

Leaping Forward

Class

307. Cat 3 - Junior

308. Cat 3 - Intermediate

309. Cat 3 - Senior

Special Award

Overall Champion Cat Exhibit

Mountain Trails 4-H Club, Dee Dee Farago, Loveland

Outstanding Junior Cat Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Cat Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Cat Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department M Biological Science Gardening

Co-Superintendents - David Rubenthaler & Kristen Rubenthaler

Exhibit Requirements

All exhibits will consist of the following:

A. A project manual and e-Record presented in a sturdy binder/notebook including these items: manual with appropriate sections completed, (example – first year member will do activities 1a, 2a, 3a, 4a, 5a, 6a, then in the second year in the same manual the member will do 1b, 2b, 3b, 4b, 5b, 6b, etc.) 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. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Unit 1 See Them Sprout

Class

401. Unit 1 - See Them Sprout - Junior
402. Unit 1 – See Them Sprout - Intermediate
403. Unit 1 – See Them Sprout – Senior

Unit 2 Let's Get Growing

Class

404. Unit 2 – Let's Get Growing – Junior
405. Unit 2 - Let's Get Growing – Intermediate
406. Unit 2 – Let's Get Growing – Senior

Unit 3 Take Your Pick

Class

407. Unit 3 – Take Your Pick - Junior
408. Unit 3 – Take Your Pick - Intermediate
409. Unit 3 – Take Your Pick - Senior

Unit 4 Growing Profits

Class

410. Unit 4 – Growing Profits – Senior Advanced

Special Award

Overall Champion Garden Exhibit

Larimer County Master Gardeners, Alison O'Connor, Larimer County

Outstanding Junior Garden Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Garden Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Garden Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department O

Mechanical Sciences

Computers

1. 4-H members may stay in a unit for more than one year. The exhibit has to be different each year.

2. Youth are only allowed to enter a display board exhibit or programming or a stand-alone exhibit, not all.

All exhibits will consist of the following:

A. One sturdy binder/notebook that contains the Discovering Computer Science & Programming Through Scratch manual for the Unit enrolled in and completed e-Record.

B. A completed exhibit consists of ONE of the following:

1. A display board illustrating a topic learned as a part of the 4-H project. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

2. Programming Exhibit (a printed copy of a digital presentation is required and placed in your e-record). Electronic equipment will only be used during judging time and will not remain on display during the Fair. Programs available online (such as Scratch) should include a link to the specific project you have created:

Beginning Programming – a simple program using Scratch (or other simple graphic programming language). The program should include 8 different commands including looping and getting input from the keyboard and mouse.

Intermediate Programming – a program using Scratch (or other simple graphic programming language) that you have downloaded from the internet and modified. Compare the two programs and demonstrate the changes you have made to the original program; OR create an animated storybook or video game using Scratch (or other simple programming language).

Advanced Programming – creating a program using a block for script within the very script that defines the block Or an original program using higher level programming language such as Python, Javascript, C++, etc.

3. A stand-alone exhibit demonstrating a skill learned or an item developed. For example, a Makey Makey keyboard or a micro controller project.

Discovering Computer Science & Programming Through Scratch – Level 1

Display Board Exhibits

Class	
601.	Computer Science – Junior
602.	Computer Science – Intermediate
603.	Computer Science – Senior

Beginning Programming

Class	
604.	Beginning Programming – Junior
605.	Beginning Programming – Intermediate
606.	Beginning Programming – Senior

Stand-Alone Exhibits

Class	
607.	Computer Science – Junior
608.	Computer Science – Intermediate
609.	Computer Science – Senior

Discovering Computer Science & Programming Through Scratch – Level 2

Display Board Exhibits

Class	
610.	Computer Science – Intermediate
611.	Computer Science – Senior

Intermediate Programming

Class	
612.	Intermediate Programming – Intermediate
613.	Intermediate Programming – Senior

Stand-Alone Exhibits

Class	
614.	Computer Science – Intermediate
615.	Computer Science – Senior

Discovering Computer Science & Programming Through Scratch – Level 3

Display Board Exhibits

Class	
616.	Computer Science – Intermediate
617.	Computer Science – Senior

Advanced Programming

Class	
618.	Advanced Programming – Intermediate
619.	Advanced Programming – Senior

Stand-Alone Exhibits

Class	
620.	Computer Science – Intermediate
621.	Computer Science – Senior

Computers in the 21st Century

Display Board Exhibits

Class	
622.	Computers in the 21 st Century – Intermediate
623.	Computers in the 21 st Century – Senior

Stand-Alone Exhibits

Class	
624.	Computers in the 21 st Century – Intermediate
625.	Computers in the 21 st Century – Senior

Special Award

- Overall Champion Computer Exhibit
- All-In-One Computer, Jeff Bernhardt, Loveland
- Outstanding Junior Computer Record Book
- Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins
- Outstanding Intermediate Computer Record Book
- Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins
- Outstanding Senior Computer Record Book
- Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department O Electrics

Unit 1 Magic of Electricity

Exhibit will consist of the following:

A. Completed project manual (**at least three required activities completed; at least four Optional activities – Brain Boosters completed; at least two leadership activities completed**); and e-Record presented in a sturdy binder/notebook.

B. One article or display board (**not both**) that you have made as a part of this unit of study. (Example: homemade flashlight, simple switch, circuit with two batteries and one light bulb, compass, electromagnet, galvanometer, electric motor, etc.) The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Class

701. Unit 1 - Magic of Electricity - Junior

702. Unit 1 - Magic of Electricity - Intermediate

703. Unit 1 – Magic of Electricity - Senior

Unit 2 Investigating Electricity

Exhibit will consist of the following:

A. Completed project manual (**at least three required activities completed; at least four Optional activities – Brain Boosters completed; at least two leadership activities completed**); and e-Record presented in a sturdy binder/notebook.

B. One article or display board (**not both**) that you have made as a part of this unit of study. (Example: circuit diagrams with explanation, series circuit, parallel circuit, momentary switch, three-way switch, soldered connection, rocket launcher, burglar alarm, etc.) The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Class

704. Unit 2 - Investigating Electricity - Junior

705. Unit 2 - Investigating Electricity - Intermediate

706. Unit 2 - Investigating Electricity - Senior

Unit 3 Wired for Power

Exhibit will consist of the following:

A. Completed project manual (**at least three required activities completed; at least four Optional activities – Brain Boosters completed; at least two leadership activities completed**); and e-Record presented in a sturdy binder/notebook.

B. One article or display board (**not both**) which you have made as a part of this unit of study. (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.) The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Class

707. Unit 3 - Wired for Power - Junior

708. Unit 3 - Wired for Power - Intermediate

709. Unit 3 - Wired for Power - Senior

Unit 4 Entering Electronics

Exhibit will consist of the following:

A. Completed project manual (**at least three required activities completed; at least four Optional activities – Brain Boosters completed; at least two leadership activities completed**); and e-Record presented in a sturdy binder/notebook.

B. One article or display board (**not both**) which you made as a part of this unit of study. (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.) The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Class

710. Unit 4 - Entering Electronics - Senior

Special Awards

Overall Champion Electrics Exhibit

High Country Handiworkers 4-H Club, Anita Ballinger,
Loveland & Cindy Buckardt, Loveland

Outstanding Junior Electrics Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Electrics Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Electrics Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department O
Model Rocketry
Model Rocketry (Exhibit)
Superintendent – Russ Rhoads

Note to all units:

1. Rocket exhibits must relate to the skill level for the unit entered. Units 1 - 4 should 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 sturdy binder/notebook. 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 (**balsa and basswood**) and finished with paint in classes indicated. **No plastic fins for Unit 1 – 3.**

3. Fins of plastic or other materials must be exhibited in Units 4 and 6.

4. Rockets are to be displayed and held **vertically by a substantial rod or support** no taller than the rocket on a **stationary** base appropriate to the size of the rocket not to exceed 12" x 12" x 1" thick. Only the rocket will be judged. Do not decorate the base. **No triangular stands can be used for displaying the rockets. No launching pads should be used for displaying the rockets.**

5. Do not include live or expended engines in the rocket exhibited.

Note to all units:

6. If rocket is damaged in launching, it can still be judged for quality of construction, e-Record and pictures. **Launching your rocket is not a requirement. It is a good idea, however, to make 2 rockets – one for exhibit and one to launch if possible.**

7. Display rockets cannot be used for Rocket Fly Day competition.

Note: Please read specific rules for your Unit.

Unit 1
Introduction to Rocketry

(Must sign up for Model Rocketry Fly Day separately. See page 79.)

Exhibit will consist of the following:

A. Completed **Model Rocketry e-Record** presented in a sturdy binder/notebook.

B. On the Model Rocketry page enter the rockets you built in this unit. Include the following information:

1. Model name; skill level; from a stock kit, modified kit or self-designed-and-built.
2. Power: single-stage, multi-stage, cluster
3. The fuselage: single-tube or glider rear-engine or glider front-engine or glider canard.
4. Engine information: engine code, label color, and type of recovery system.

C. If the rocket was launched provide the following information on the Model Rocketry page:

1. Number of times successfully launched; kind of launch pad used.
2. Kind of electrical system used.
3. Tracking method used.

4. Observer's distance from rocket; angle achieved and altitude achieved; any special problems before, during and after launching.
5. What did you do to overcome the problems you encountered?

D. One rocket personally built or other display related to work done at Skill Level I.

Balsa Fins Only
Class

801. Unit 1 - Introduction to Rocketry - Junior
802. Unit 1 - Introduction to Rocketry - Intermediate
803. Unit 1 - Introduction to Rocketry - Senior

Unit 2
Basic Model Rocketry

(Must sign up for Model Rocketry Fly Day separately. See page 79.)

Exhibit will consist of the following:

A. Completed **Model Rocketry e-Record** presented in a sturdy binder/notebook.

B. On the Model Rocketry page enter the rockets you built in this unit. Include the following information:

1. Model name; skill level; from a stock kit, modified kit or self-designed-and-built.
2. Power: single-stage, multi-stage, cluster
3. The fuselage: single-tube or glider rear-engine or glider front-engine or glider canard.
4. Engine information: engine code, label color, and type of recovery system.

C. If the rocket was launched provide the following information on the Model Rocketry page:

1. Number of times successfully launched; kind of launch pad used.
2. Kind of electrical system used.
3. Tracking method used.
4. Observer's distance from rocket; angle achieved and altitude achieved; any special problems before, during and after launching.
5. What did you do to overcome the problems you encountered?

D. One rocket personally built or other display related to work done at Skill Level II.

Balsa Fins Only
Class

804. Unit 2 - Basic Model Rocketry - Junior
805. Unit 2 - Basic Model Rocketry - Intermediate
806. Unit 2 - Basic Model Rocketry - Senior

Unit 3
Intermediate Model Rocketry

(Must sign up for Model Rocketry Fly Day separately. See page 79.)

Exhibit will consist of the following:

A. Completed **Model Rocketry e-Record** with completed questions in manual, pages 31 – 35, presented in a sturdy binder/notebook.

B. On the Model Rocketry page enter the rockets you built in this unit. Include the following information:

1. Model name; skill level; from a stock kit, modified kit or self-designed-and-built.
2. Power: single-stage, multi-stage, cluster
3. The fuselage: single-tube or glider rear-engine or glider front-engine or glider canard.
4. Engine information: engine code, label color, and type of recovery system.

C. If the rocket was launched provide the following information on the Model Rocketry page:

1. Number of times successfully launched; kind of launch pad used.
2. Kind of electrical system used.
3. Tracking method used.
4. Observer's distance from rocket; angle achieved and altitude achieved; any special problems before, during and after launching.
5. What did you do to overcome the problems you encountered?

D. One rocket personally built or other display related to work done at Skill Level III.

Balsa Fins Only

Class

- 807.** Unit 3 - Intermediate Model Rocketry - Junior
808. Unit 3 - Intermediate Model Rocketry - Intermediate
809. Unit 3 - Intermediate Model Rocketry - Senior

Unit 4

Advanced Model Rocketry

(Must sign up for Model Rocketry Fly Day separately. See page 79.)

Exhibit will consist of the following:

A. Completed **Model Rocketry e-Record** with completed questions in manual, pages 14 – 18, presented in a sturdy binder/notebook.

B. On the Model Rocketry page enter the rockets you built in this unit. Include the following information:

1. Model name; skill level; from a stock kit, modified kit or self-designed-and-built.
2. Power: single-stage, multi-stage, cluster
3. The fuselage: single-tube or glider rear-engine or glider front-engine or glider canard.
4. Engine information: engine code, label color, and type of recovery system.

C. If the rocket was launched provide the following information on the Model Rocketry page:

1. Number of times successfully launched; kind of launch pad used.
2. Kind of electrical system used.
3. Tracking method used.
4. Observer's distance from rocket; angle achieved and altitude achieved; any special problems before, during and after launching.
5. What did you do to overcome the problems you encountered?

D. One rocket personally built or other display related to work done at Skill Level IV or Skill Level V.

Finished fins of any type

Class

- 810.** Unit 4 - Advanced Model Rocketry - Junior
811. Unit 4 - Advanced Model Rocketry - Intermediate
812. Unit 4 - Advanced Model Rocketry - Senior

Unit 6

Designer Model Rocketry

(Must sign up for Model Rocketry Fly Day separately. See page 79.)

Exhibit will consist of the following:

A. Completed **Model Rocketry e-Record** with design worksheets and completed questions in manual, pages 35 - 39, presented in a sturdy binder/notebook. Must have a copy of the plans or blueprints on how to build the rocket.

B. If the rocket was launched provide the following information on the Model Rocketry page:

1. Number of times successfully launched; kind of launch pad used.
2. Kind of electrical system used.
3. Tracking method used.
4. Observer's distance from rocket; angle achieved and altitude achieved; any special problems before, during and after launching.
5. What did you do to overcome the problems you encountered?

D. One rocket personally designed, built (no kits) and used in unit or display related to work done.

Finished fins of any type

Class

- 813.** Unit 6 - Designer Model Rocketry - Junior
814. Unit 6 - Designer Model Rocketry - Intermediate
815. Unit 6 - Designer Model Rocketry - Senior

Special Awards

Overall Champion Model Rocketry Exhibit

Larimer County 4-H Junior Leader Club, Rachel Masters, President, Fort Collins

Outstanding Junior Model Rocketry Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Model Rocketry Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Model Rocketry Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department O Model Rocketry Fly Day

Superintendent – Russ Rhoads

Sunday, July 28, 8:00 a.m. - The Ranch

Prior Entry Required

1. All rockets must have a label specifying the rocket skill level and must be brought to Fly Day to compete.
2. Exhibitor must fly a rocket pertaining to the skill level in which they are entered. Your exhibit rocket cannot be used for Fly Day, and your Fly Day rocket cannot be used for exhibit. **Member must fly in unit enrolled.**
3. Units 1 - 4 must have a colored picture of their rocket from kit or catalog with proof of skill level and recommended first flight engine. Unit 6 must state the size of their first flight engine at check-in.
4. Rockets must be launched with **first flight engines only** and use a parachute recovery system. (Streamer and tumble recovery not allowed.)
5. Launching equipment will be set up. Members are to supply their own rocket, engines, parachutes and wading. A field box is advisable.
6. Each participant will launch their rockets twice, **time, weather, and facilities permitting**. Be prepared for a second launch.
7. Event to be judged on: range safety, construction, flight stability, chute deployment, altitude and landing.
8. Level 4 rocketeers may use level IV or V rockets.
9. Rockets entered in state fair judging may not be used for Rocket Fly Day competition.
10. If you would like your Fly Day Rocket displayed at Fair, bring your rocket and awards on Tuesday, July 30, between 9:00 a.m. & 5:00 p.m. to the McKee 4-H Building.

Class

669. Unit 1 - Level 1 - Rocket with Balsa Wood Fins - Junior
670. Unit 1 - Level 1 - Rocket with Balsa Wood Fins - Senior
671. Unit 2 - Level 2 - Rocket with Balsa Wood Fins - Junior
672. Unit 2 - Level 2 - Rocket with Balsa Wood Fins - Senior
(A member may exhibit in this unit more than one year.)

For units 3-6 –finished fins of any type

673. Unit 3 - Level 3 - Junior
674. Unit 3 - Level 3 - Senior
675. Unit 4 - Level 4 - Junior
676. Unit 4 - Level 4 - Senior
677. Unit 6 - Level 6 - Junior
678. Unit 6 - Level 6 - Senior

Special Awards

- Overall Champion Model Rocketry Fly Day
Rocky Mountain Light 4-H Club, Merritt Dupon, Carr
Champion Unit 1 Junior - Model Rocketry Fly Day
Frank & Laurel Kubin, Windsor
Champion Unit 1 Senior - Model Rocketry Fly Day
Frank & Laurel Kubin, Windsor
Champion Unit 2 Junior - Model Rocketry Fly Day
Construction Supply House, Cindy Buckardt, Loveland
Champion Unit 2 Senior - Model Rocketry Fly Day
High Country Handiworkers 4-H Club,
Champion Unit 3 Junior - Model Rocketry Fly Day
Hearts and Hands 4-H Club, Stacy Farmer, Fort Collins
Champion Unit 3 Senior - Model Rocketry Fly Day
Construction Supply House, Cindy Buckardt, Loveland
Champion Unit 4 Junior - Model Rocketry Fly Day
Shaffer Custom Excavating, Mark & Mary Shaffer, Loveland
Champion Unit 4 Senior - Model Rocketry Fly Day
High Country Handiworkers 4-H Club, Anita Ballinger,
Loveland & Cindy Buckardt, Loveland
Champion Unit 6 Junior – Model Rocketry Fly Day
Construction Supply House, Cindy Buckardt, Loveland
Champion Unit 6 Senior - Model Rocketry Fly Day
Hall's Haven Farm, Adam & Dani Hall, Wellington

Department O Robotics

1. In Junk Drawer Units (1 – 3), youth are only allowed to enter a display board exhibit or a stand-alone exhibit, not both.

2 Robotics Platforms is just a fancy way to say robotics kits or robotics materials. Some types of commercial kits or platform include Arduino Kits, EV3, Brushbot, Make, Hexy, Pushbutton Programmable Robotic Kit, Sparky, Cubelets, Robotic Arm Edge, Sparkfun Red Bot, WeDo, Multiplio, NXT, TETRIX, CEENBot and VEX.

3. Youth working individually on a robotics platform should enroll in the Platform Units. Youth should advance between units 4 – 6 as they feel they are progressing in their project knowledge.

4. Youth working on a team on a robotics platform should enroll in the Team Robotics Unit. Despite being on a team, the Fair exhibit is meant to be completed and entered by an individual member.

Unit 1

Junk Drawer Robotics – Give Robotics A Hand

Exhibit will consist of the following:

A. A completed e-Record presented in a sturdy binder/notebook.

B. For Display Board Exhibits: One display board which you have made as part of this unit of study. The standardized display board size of 4' x 3' is to be used.

For Stand-Alone Exhibits: One article which you have made as part of this unit of study. (Example: marshmallow catapult, robotic arm, robotic gripper, et al.)

Display Board Exhibits

Class

- 901.Give Robotics A Hand – Display Board - Junior
- 902.Give Robotics A Hand – Display Board - Intermediate
- 903.Give Robotics A Hand – Display Board– Senior

Stand-Alone Exhibits

Class

- 904.Give Robotics A Hand – Stand-Alone - Junior
- 905.Give Robotics A Hand – Stand-Alone - Intermediate
- 906.Give Robotics A Hand – Stand-Alone – Senior

Unit 2

Junk Drawer Robotics – Robots On The Move

Exhibit will consist of the following:

A. A completed e-Record presented in a sturdy binder/notebook.

B. For Display Board Exhibits: One display board which you have made as part of this unit of study. The standardized display board size of 4' x 3' is to be used.

For Stand-Alone Exhibits: One article which you have as a part of this unit of study. (Example: clipmobile, can-can robot, gear train, es-car-go, sea hunt, et al.)

Display Board Exhibits

Class

- 907.Robots On The Move – Display Board - Junior
- 908.Robots On The Move – Display Board - Intermediate
- 909.Robots On The Move – Display Board – Senior

Stand-Alone Exhibits

Class

- 910.Robots On The Move – Stand-Alone - Junior
- 911.Robots On The Move – Stand-Alone - Intermediate
- 912.Robots On The Move – Stand-Alone – Senior

Unit 3

Junk Drawer Robotics – Mechatronics

Exhibit will consist of the following:

A. A completed e-Record presented in a sturdy binder/notebook.

B. For Display Board Exhibits: One display board which you have made as part of this unit of study. The standardized display board size of 4' x 3' is to be used.

For Stand-Alone Exhibits: One article which you have as a part of this unit of study. (Example: forward and reverse, wall follower, breadboard, say what? build your robot et al.)

Display Board Exhibits

Class

- 913.Mechatronics – Display Board - Junior
- 914.Mechatronics – Display Board - Intermediate
- 915.Mechatronics – Display Board - Senior

Stand-Alone Exhibits

Class

- 916.Mechatronics – Stand-Alone - Junior
- 917.Mechatronics – Stand-Alone - Intermediate
- 918.Mechatronics – Stand-Alone - Senior

Unit 4

Robotics Platforms – Beginner

Exhibit will consist of the following:

A. A completed e-Record presented in a sturdy binder/notebook.

B. One display board which you have made as part of this unit of study. The standardized display board size of 4' x 3' is to be used.

Class

- 919.Platforms – Beginner - Junior
- 920.Platforms – Beginner - Intermediate
- 921.Platforms – Beginner - Senior

Unit 5

Robotics Platforms – Intermediate

Exhibit will consist of the following:

A. A completed e-Record presented in a sturdy binder/notebook.

B. One display board which you have made as part of this unit of study. The standardized display board size of 4' x 3' is to be used.

Class

- 922.Platforms – Intermediate - Junior
- 923.Platforms – Intermediate - Intermediate
- 924.Platforms – Intermediate - Senior

Unit 6

Robotics Platforms – Advanced

Exhibit will consist of the following:

- A. A completed e-Record presented in a sturdy binder/notebook.
- B. One display board which you have made as part of this unit of study. The standardized display board size of 4' x 3' is to be used.

Class

- 925. Platforms – Advanced - Junior
- 926. Platforms – Advanced - Intermediate
- 927. Platforms – Advanced - Senior

Unit 7

Team Robotics

Exhibit will consist of the following:

- A. A completed e-Record presented in a sturdy binder/notebook.
- B. One display board which you have made as part of this unit of study. The standardized display board size of 4' x 3' is to be used.

Class

- 928. Team Robotics - Junior
- 929. Team Robotics - Intermediate
- 930. Team Robotics - Senior

Special Award

Overall Champion Robotics Exhibit

High Country Handiworkers 4-H Club, Anita Ballinger,
Loveland & Cindy Buckardt, Loveland

Outstanding Junior Robotics Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Robotics Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Robotics Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department O Small Engines

Unit 1 Crank It Up

Exhibit will consist of the following:

A. A Completed project manual (page 4, at least 7 activities completed) and e-Record in a sturdy binder/notebook including appropriate sections in the manual completed and other items such as diagrams, drawings, photographs or attachments related to activities in the manual.

B. Exhibit may be a display board on any topic from the Small Engines manual **or** a stand-alone item (**but not both**) such as: air and fuel systems, the electrical systems, a diagram of the engine block, etc. You may use diagrams, drawings and photographs. Label and use captions to make your display as educational as possible. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Class

1001. Crank It Up - Junior
1002. Crank It Up - Intermediate
1003. Crank It Up - Senior

Unit 2 Warm It Up

Exhibit will consist of the following:

A. A completed project manual (**page 4, at least 7 activities completed**) and e-Record presented in a sturdy binder/notebook including appropriate sections in the manual completed and other items such as diagrams, drawings, photographs, or attachments related to activities in the manual.

B. Exhibit may be a display on any topic from the Small Engines manual **or** a stand-alone item (**but not both**) such as: air and fuel systems, the electrical systems, a diagram of the engine block, etc. You may use diagrams, drawings and photographs. Label and use captions to make your display as educational as possible. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Class

1004. Warm It Up - Junior
1005. Warm It Up - Intermediate
1006. Warm It Up - Senior

Unit 3 Tune It Up

Exhibit will consist of the following:

A. A completed project manual (**page 4, at least 7 activities completed**) 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 Exhibit may be a display board on any topic from the Small Engines manual **or** a stand-alone item (**but not both**) such as: air and fuel systems, the electrical systems, a diagram of the engine block, etc. You may use pictures or any records you kept to provide evidence of your accomplishments and what you have learned. Label and use captions to make your display as educational as possible. The

standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board

Class

1007. Tune It Up - Junior
1008. Tune It Up - Intermediate
1009. Tune It Up - Senior

Unit 4 Advanced Engines

Exhibit will consist of the following:

A. A completed **Small Engine Unit 4 e-Record** with emphasis on your accomplishments in your story presented in a sturdy binder/notebook. (Self-Determined)

B. Include the following information on the Specific Project Information Page in the e-Record:

1. Written description of your project:
 - a. goals
 - b. plans
 - c. accomplishments
 - d. evaluation

C. Exhibit may be a display board on any topic related to Engines **or** a stand-alone item (**but not both**) such as: air and fuel systems, the electrical systems, a diagram of the engine block, etc. You may use diagrams, drawings, charts and photographs. Label and use captions to make your display as educational as possible. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Class

1010. Advanced Small Engines - Junior
1011. Advanced Small Engines - Intermediate
1012. Advanced Small Engines - Senior
Note: This unit can be used for any type of engines (tractor, car, etc.)

Special Awards

Overall Champion Small Engines Exhibit

Phil & Janet Hein, Johnstown

Outstanding Junior Small Engines Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Small Engines Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Small Engines Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department P
Natural Resources
Entomology
Superintendent– Susan Epperson

Note: Entomology Workbook Required

1. Acceptable sizes of handmade Entomology Display Boxes taken from the manual and kit:
 - 12"W x 16"L x 3" Deep
 - 12"W x 18"L x 3 ½" Deep
 - 18"W x 24"L x 3 ½" Deep
2. Glass tops on entomology display cases should slide to the top or side of the case to prevent them from slipping out and breaking when placed on display.
3. Commercially available display cases are acceptable.
4. **Regular insect pins are required in all units.**
5. On Units 2 through 7, records must include date and location where insects were collected. Place this information on labels attached to insect pins.

Unit 1

Let's Learn About Insects

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook.
- B. Insect Collection: display no fewer than 10 and no more than 35 adult insects in at least 3 different correctly labeled orders. Boxes for display should be approximately 12" x 16" x 3".

Class

1101.Let's Learn About Insects - Junior
1102. Let's Learn About Insects - Intermediate
1103. Let's Learn About Insects - Senior

Unit 2

Learn More About Insects

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook.
- B. Insect collections: display no fewer than 25 and no more than 75 adult insects in at least 6 different orders. Records must include date and location where insects were collected. Place this information on labels attached to pins. Standard-sized display boxes with removable glass covers are required.

Class

1104. Learn More About Insects - Junior
1105. Learn More About Insects - Intermediate
1106.Learn More About Insects - Senior

Unit 3
Insect Habits and Controls

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook.
- B. Insect collection: display no fewer than 75 and no more than 150 insects including a representative from at least 9 different orders, correctly labeled (one order developed in water). Include a special collection of 8 different insects, as stated in Unit 3 Workbook. Records must include data and location where insects were collected. Place this information on labels attached to pins. Standard-sized display boxes with removable glass covers are required.

Class

1107. Insect Habits and Controls - Junior
1108. Insect Habits and Controls - Intermediate
1109.Insect Habits and Controls - Senior

Unit 4

Insect Identification and Community Projects

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook.
- B. Insect collection: display no fewer than 100 and no more than 250 insects in 10 different, correctly labeled orders. Records must include date and location where insects were collected. Place this information on labels attached to pins. Standard-sized display boxes with removable glass covers are required.

Class

1110. Insect Identification and Community Projects - Junior
1111. Insect Identification and Community Projects - Intermediate
1112.Insect Identification and Community Projects - Senior

Unit 5

Immature Insects and Life Stages

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook.
- B. Display your regular insect collection.
- C. Display a collection of at least 10 larvae or immature insects in vials of rubbing alcohol, or similar preservation.
- D. Display a special collection that is different from the one in Unit 3, including at least 10 insects. Records must include data and location where insects were collected. Place this information on labels attached to pins.

Class

1113. Immature Insects and Life Stages - Junior
1114. Immature Insects and Life Stages - Intermediate
1115.Immature Insects and Life Stages - Senior

Unit 6

Exploring With Insects

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook.

- 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. Records must include data and location where insects were collected. Place this information on labels attached to pins. Standard-sized display boxes with removable glass covers are required.

Class

- 1116. Exploring With Insects - Junior
- 1117. Exploring With Insects - Intermediate
- 1118. Exploring With Insects - Senior

Unit 7

Exploring with Insects – Advanced

Exhibit will consist of the following:

- A. Completed e-Record with emphasis on your accomplishments in your story, presented in a sturdy binder/notebook.

- 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 of 4' x 3' is to be used. No additional items may be included in front of display board.

Class

- 1119. Exploring With Insects – Advanced - Junior
- 1120. Exploring With Insects – Advanced - Intermediate
- 1121. Exploring With Insects – Advanced - Senior

Special Awards

- Overall Champion Entomology Exhibit
Hecker Sports & Regenerative Medicine, Dr. Thomas & Lisa
Hecker Fort Collins
- Overall Champion Entomology Exhibit
Dr. Boris Kondratieff, Fort Collins
- Overall Champion Entomology Exhibit
Alan & Susan Epperson Family, Fort Collins
- Overall Reserve Champion Entomology Exhibit
Dr. Boris Kondratieff, Fort Collins
- Overall Reserve Champion Entomology Exhibit
Alan & Susan Epperson Family, Fort Collins
- Outstanding Junior Entomology Record Book
Dr. Boris Kondratieff, Fort Collins
- Outstanding Junior Entomology Record Book
Alan & Susan Epperson Family, Fort Collins
- Outstanding Intermediate Entomology Record Book**
Dr. Boris Kondratieff, Fort Collins
- Outstanding Intermediate Entomology Record Book
Alan & Susan Epperson Family, Fort Collins
- Outstanding Senior Entomology Record Book
Dr. Boris Kondratieff, Fort Collins
- Outstanding Senior Entomology Record Book
Alan & Susan Epperson Family, Fort Collins

Department P

Outdoor Adventures

Exhibit Requirements

All exhibits will consist of the following:

- A. A completed project manual (at least 6 chapter activities and at least 6 Reach the Peak activities completed each year) and e-Record in a sturdy binder/notebook including these items: appropriate sections in manual completed, e-Record and other items or attachments related to the activities in the manual. List the day, month, and year for the date of completed activities on page 4.
- B. A display board 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. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Unit 1

Hiking Trails

Class

1201. Unit 1 - Hiking Trails - Junior
1202. Unit 1 - Hiking Trails - Intermediate
1203. Unit 1 - Hiking Trails – Senior

Unit 2

Camping Adventures

Class

1204. Unit 2 – Camping Adventures – Junior
1205. Unit 2 – Camping Adventures – Intermediate
1206. Unit 2 – Camping Adventures – Senior

Unit 3

Backpacking Expeditions

Class

1207. Unit 3 – Backpacking Expeditions - Junior
1208. Unit 3 – Backpacking Expeditions - Intermediate
1209. Unit 3 – Backpacking Expeditions - Senior

Special Award

Overall Champion Outdoor Adventures Exhibit

Larimer County 4-H Junior Leader Club, Rachel Masters,
President, Fort Collins

Outstanding Junior Outdoor Adventures Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Outdoor Adventures Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Outdoor Adventures Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department P

Shooting Sports

Superintendents – Cory Bensley, Rod Bergstrom,
Mike Conley, Jackie Easthouse, Jim Easthouse, Scott Gillespie,
Linda Squibb, Ian Webb, Samantha Webb

Project Exhibit Rules/Requirements

1. **A member may only exhibit in one skill area/discipline of the shooting sports project.** Therefore, youth enrolled in multiple shooting sports disciplines should choose only one skill area to complete a display board/stand alone item and record book in. **The display boards' topics should stay in close relationship with the discipline chosen. Please do not use topics outside the scope of your 4-H project. (Example; .22 Rifle Project – should not use the topic of different types of military machine guns.)**

2. **Completed e-Record that contains the inventory sheet and the discipline log record for all disciplines. Be sure to include the log for the discipline that you are exhibiting in a sturdy binder/notebook.**

3. **Display may be a display board or a stand-alone display.** The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

4. **All Stand Alone Exhibits must attach a page explaining:**
 - A. What the project is?
 - B. How is used?
 - C. How was it made?**Please use a large enough font or hand writing large enough that an audience can read it from a distance when displayed.**

5. **No live ammo, tipped arrows, (including field points, broadheads), knives, functional or nonfunctional firearms or bows will be allowed as an exhibit. Cardboard, paper cutouts or décor resembling firearms or bows are allowed for display purposes in the display or stand-alone classes.**

6. Exhibits showing safety violations will result in a lower placing ribbon level. **Do not use the word weapon when creating your display. Make sure that there are no safety violations in your display. (Example: no earplugs visible, member not wearing safety glasses on a photo of a youth firing his/her gun.) Do not use pictures of primarily tactical in design firearms in your display, (example: AR platform or military type firearms.**

7. **In order to represent Larimer County on a Shooting Sports Team at State Fair, the 4-H member MUST exhibit a display board or stand alone item and record book at the Larimer County Fair and earn at least a red ribbon placing.**

8. Display items illustrating something learned in the project this year. Exhibit may be a display board or a stand-alone item, such as gun stocks, decoys, etc. Display items are to be entered in specific discipline that the exhibit relates to (i.e. .22, air rifle, shotgun, etc.).

9. **Stand Alone Exhibits chosen for State Fair: There is a maximum size of 3' in width and depth and 7' in height. The item must be stable when standing in order to be displayed. Stand Alone Exhibits chosen for State Fair, larger than 35 lbs. will be the responsibility of the family to take to the State Fair.**

Display Board Exhibits

Archery

Class	
1301.	Archery - Display Board - Junior
1302.	Archery - Display Board - Intermediate
1303.	Archery - Display Board - Senior

Air Rifle

Class	
1304.	Air Rifle - Display Board - Junior
1305.	Air Rifle - Display Board - Intermediate
1306.	Air Rifle - Display Board – Senior

Shotgun

Class	
1307.	Shotgun – Display Board - Junior
1308.	Shotgun - Display Board - Intermediate
1309.	Shotgun – Display Board – Senior

.22 Rifle

Class	
1310.	.22 Rifle - Display Board - Junior
1311.	.22 Rifle - Display Board - Intermediate
1312.	.22 Rifle - Display Board – Senior

.22 Pistol

Class	
1313.	.22 Pistol - Display Board - Junior
1314.	.22 Pistol - Display Board - Intermediate
1315.	.22 Pistol - Display Board – Senior

Black Powder Muzzleloading

Class	
1316.	Muzzleloading - Display Board - Junior
1317.	Muzzleloading - Display Board - Intermediate
1318.	Muzzleloading - Display Board - Senior

Air Pistol

Class	
1319.	Air Pistol - Display Board - Junior
1320.	Air Pistol - Display Board - Intermediate
1321.	Air Pistol - Display Board – Senior

Western Heritage

Class	
1322.	Western Heritage - Display Board - Junior
1323.	Western Heritage - Display Board - Intermediate
1324.	Western Heritage - Display Board – Senior

Outdoor Skills

Class	
1325.	Outdoor Skills - Display Board - Junior
1326.	Outdoor Skills - Display Board - Intermediate
1327.	Outdoor Skills - Display Board - Senior

Stand Alone Exhibits

These classes are for stand-alone items only. No display boards are allowed in the Stand-Alone classes. Please check out rule #4 on page 86.

Archery

- Class
1328. Archery – Stand Alone - Junior
1329. Archery – Stand Alone - Intermediate
1330. Archery – Stand Alone - Senior

Air Rifle

- Class
1331. Air Rifle – Stand Alone - Junior
1332. Air Rifle – Stand Alone - Intermediate
1333. Air Rifle – Stand Alone – Senior

Shotgun

- Class
1334. Shotgun – Stand Alone - Junior
1335. Shotgun – Stand Alone - Intermediate
1336. Shotgun – Stand Alone - Senior

Air Pistol

- Class
1337. Air Pistol – Stand Alone - Junior
1338. Air Pistol – Stand Alone - Intermediate
1339. Air Pistol – Stand Alone - Senior

.22 Rifle

- Class
1340.22 Rifle – Stand Alone - Junior
1341.22 Rifle – Stand Alone - Intermediate
1342.22 Rifle – Stand Alone – Senior

.22 Pistol

- Class
1343.22 Pistol – Stand Alone - Junior
1344.22 Pistol – Stand Alone - Intermediate
1345.22 Pistol – Stand Alone – Senior

Western Heritage

- Class
1346. Western Heritage – Stand Alone - Junior
1347. Western Heritage – Stand Alone - Intermediate
1348. Western Heritage – Stand Alone – Senior

Outdoor Skills

- Class
1349. Outdoor Skills – Stand Alone - Junior
1350. Outdoor Skills – Stand Alone - Intermediate
1351. Outdoor Skills – Stand Alone - Senior

Black Powder Muzzleloading

- Class
1352. Muzzleloading – Stand Alone - Junior
1353. Muzzleloading – Stand Alone - Intermediate
1354. Muzzleloading – Stand Alone - Senior

Special Awards

- Overall Champion Junior Shooting Sports Exhibit
A. James & Barbara Parfet, Fort Collins
Overall Champion Intermediate Shooting Sports Exhibit
Kelley Bows, Tom & Joyce Kelley, Wellington
Overall Champion Senior Shooting Sports Exhibit
Rocky Mountain Light 4-H Club, Merritt Dupon, Carr
Outstanding Junior Shooting Sports Record Book
Randy Burbach, Loveland
Outstanding Intermediate Shooting Sports Record Book
Randy Burbach, Loveland
Outstanding Senior Shooting Sports Record Book
Randy Burbach, Loveland
Perseverance Award
Michael & Tracy Sandmann, Nunn
Best STEM Based Junior Shooting Sports Exhibit
The Webb Family, Ian & Samantha Webb, Severance
Best STEM Based Intermediate Shooting Sports Exhibit
The Webb Family, Ian & Samantha Webb, Severance
Best STEM Based Senior Shooting Sports Exhibit
The Webb Family, Ian & Samantha Webb, Severance

Department P Sportfishing

Exhibit Requirements

All exhibits will consist of the following:

A. Completed Sportfishing e-Record in a sturdy binder/notebook.

B. Include the following information on the Specific Project Information page in the Sportfishing e-Record.

1. Record each fishing experience:

- date
- location
- type (pond, lake, reservoir, stream, river or other body)
- name of body of water
- if you catch fish (if no, what do you think the reason was for not catching fish)
- if yes, include the following weather information about the day: time of day, air temperature, water temperature; cloud cover and other information about the weather.

2. Complete a Catch and Release Fish for your five best fish, caught and released **or** your five best fish kept, depending on legal limits.

- species, length (nose to tail)
- girth (around middle)
- approximate weight

3. Complete a Fishing Journal for each trip (whether you caught fish or not):

- rod and reel used
- types of rig/bait/lure used
- technique used
- types of structure fished
- other things you want to remember about this trip

C. Exhibit may be a display board on any topic in the project manual specific to the skill level **or** a stand-alone exhibit such as a hand-wrapped rod or hand-made lures. You may not have a display board and a stand-alone – you must choose one. **Educational materials shall not extend beyond the edges of display boards.** The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

D. 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. **Be sure to remove barbs and any other sharp points.**

E. No knives to be displayed.

Unit 1 Take the Bait

Class

1401. Unit 1 – Take the Bait – Junior
1402. Unit 1 - Take the Bait – Intermediate
1403. Unit 1 – Take the Bait – Senior

Unit 2 Reel in the Fun

Class

1404. Unit 2 – Reel in the Fun – Junior
1405. Unit 2 – Reel in the Fun – Intermediate
1406. Unit 2 – Reel in the Fun – Senior

Unit 3 Cast Into the Future

Class

1407. Unit 3 – Cast Into the Future – Junior
1408. Unit 3 – Cast Into the Future – Intermediate
1409. Unit 3 – Cast Into the Future – Senior

Sportfishing Stand Alone Classes

Stand Alone Exhibits chosen for State Fair: There is a maximum size of 3' in width and depth and 7' in height. The item must be stable when standing in order to be displayed. Stand Alone Exhibits chosen for State Fair, larger than 35 lbs. will be the responsibility of the family to take to the State Fair.

**These classes are for Stand Alone items only.
No display boards are allowed in these classes.**

Unit 1 Take the Bait

Class

1410. Unit 1 - Sportfishing Stand Alone – Junior
1411. Unit 1 - Sportfishing Stand Alone – Intermediate
1412. Unit 1 - Sportfishing Stand Alone – Senior

Unit 2 Reel in the Fun

Class

1413. Unit 2 - Sportfishing Stand Alone – Junior
1414. Unit 2 - Sportfishing Stand Alone – Intermediate
1415. Unit 2 - Sportfishing Stand Alone – Junior

Unit 3 Cast Into the Future

Class

1416. Unit 3 - Sportfishing Stand Alone – Junior
1417. Unit 3 - Sportfishing Stand Alone – Intermediate
1418. Unit 3 - Sportfishing Stand Alone – Senior

Special Awards

Overall Champion Sportfishing Exhibit
Construction Supply House, Cindy Buckardt, Loveland
Outstanding Junior Sportfishing Record Book
Scott & Julie Melbye, Loveland
Outstanding Intermediate Sportfishing Record Book
Darrel & Tami Frank, Loveland
Outstanding Senior Sportfishing Record Book
Scott & Julie Melbye, Loveland

Department P Wildlife Conservation

Exhibit Requirements

All exhibits will consist of the following:

- A. Completed Wildlife e-Record in a sturdy binder/notebook.
- B. Include the following information on the Wildlife page. Show what you did and learned. Show evidence of your personal field experiences, study or observations.
- C. A display board **showing educational information about a topic of interest related to wildlife**. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board. Possible topics could include but not restricted to: species found in Colorado, wildlife habitats, role of predators, types of bird feed, or urban wildlife challenges.
- D. **OR**, instead of a display board, exhibit may be a stand-alone item, such as a wildlife diorama, scrapbook with wildlife information, pictures and news, a bird feeder or bath, or wildlife track molds. Display items should illustrate something learned in the project this year.

Unit 1

The Worth of Wild Roots

Class

- 1501. Unit 1 – The Worth of Wild Roots – Junior
- 1502. Unit 1 – The Worth of Wild Roots – Intermediate
- 1503. Unit 1 – The Worth of Wild Roots – Senior

Unit 2

Living Wild in an Ecosystem

Class

- 1504. Unit 2 – Living Wild in an Ecosystem – Junior
- 1505. Unit 2 – Living Wild in an Ecosystem – Intermediate
- 1506. Unit 2 – Living Wild in an Ecosystem – Senior

Unit 3

Managing in a World

Class

- 1507. Unit 3 – Managing in a World – Junior
- 1508. Unit 3 – Managing in a World – Intermediate
- 1509. Unit 3 – Managing in a World – Senior

Stand-Alone Items

(For all Units)

Class

- 1510. Stand-Alone Item – Junior
- 1511. Stand-Alone Item – Intermediate
- 1512. Stand-Alone Item – Senior

Special Awards

Overall Champion Wildlife Exhibit

Fort Collins Conservation District, Laura Knox, Fort Collins

Outstanding Junior Wildlife Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Wildlife Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Wildlife Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department Q
**Communication, Arts & Leisure
Sciences**

Global Citizenship

No Display Boards

Unit 1

Study of Another Country

Exhibit will consist of the following:

A. A sturdy three-ringed notebook including a completed e-Record with the following additional information:

Section 1: Create an information sheet that explains the selected study topic and list the topic(s) studied (pages 6 – 9).

Section 2: Describe any demonstrations or public speaking experiences you had associated with global citizenship. Please be specific about audience, topic, visual aids, etc.

Section 3: Include a short story explaining what you learned from this study.

Section 4: List the resources you see throughout your project.

Class

1801. Unit 1 – Study of Another Country- Junior

1802. Unit 1 – Study of Another Country - Intermediate

1803. Unit 1 – Study of Another Country - Senior

Unit 2

Host a Delegate from Another Country

Exhibit will consist of the following:

A. A sturdy three-ring notebook including a completed e-Record with the following additional information:

1. Preparation for your Exchangee’s Arrival – page 3 of manual.
2. The Arrival – pages 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 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.

1804.Unit 2 – Host a Delegate - Junior

1805. Unit 2 – Host a Delegate - Intermediate

1806. Unit 2 – Host a Delegate - Senior

Unit 3

**Youth Counselor For Inbound International
Delegation**

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.

NOTE: this unit must be coordinated with the 4-H International Programs Coordinator in the Colorado State 4-H Office.

B. A sturdy three-ringed notebook, including a completed e-Record with the following information:

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

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

Class

1807. Unit 3 – Youth Counselor - Intermediate

1808.Unit 3 – Youth Counselor - Senior

Unit 4

Exchange Delegate to Another Country

Exhibit will consist of the following:

A. A sturdy three-ringed notebook including a completed e-Record with the following 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 State – page 6 of manual
5. Resources – page 6 of manual

B. Provide information on at least one demonstration or public speaking 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.

Class

1809. Unit 4 – Exchange Delegate - Intermediate

1810. Unit 4 – Exchange Delegate - Senior

Special Awards

- Overall Champion Global Citizenship Exhibit
Larimer County 4-H Junior Leader Club, Rachel Masters, President, Fort Collins
- Outstanding Global Citizenship Exhibit
Dwayne & Barbara Hummel, Berthoud
- Outstanding Junior Global Citizenship Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins
- Outstanding Intermediate Global Citizenship Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins
- Outstanding Senior Global Citizenship Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department Q Leathercraft

Superintendent – Holly Godfrey

Project Exhibit Rules for All Units:

1. Put name, age, and county code on back of exhibit board **and** 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 the member.
3. A set means a number of things of the same kind that belong, or are used together, (i.e. six matching coasters, belt and buckle with matching designs, etc.)
4. Advanced leathercraft members may Units 4 – 10 may exhibit in more than one of the classes, provided the member is enrolled in and has completed the requirements of the unit.
5. Unit 8 is now advanced creative stamping. It is recommended that 1st year Juniors take Unit 1 Introduction to Stamping before taking Unit 8.

6. Definitions:

Carving – is where you cut into the leather (usually swivel knife) as part of the design you are tooling.

Stamping/Tooling – is where you use impressions made from tools to form a design.

Cord – is round and waxed thread.

Lace – is flat with a shiny side and rough side.

Background Dyeing – dyeing a solid color to the area tooled with the backgrounder.

Solid Color Dyeing – is where you dye the whole project the same color. For example, you tool a belt and then dye it all black, or you make a book cover and dye it all one color.

Color Shading – is where you use shades of color to make the design look more realistic. For example, you can use darker and lighter shades of a color on a flower you have tooled to make it look realistic, or an animal or figure any kind.

Staining/Antiquing – using an antique finish like saddle tan – apply and remove/rub on and wipe off.

Clear Finish – is a finish that has no color in it. For example, oil (no color added), leather finish spray or wipe on that has no color mixed in it.

Unit 1

Introduction to Leathercraft & Creative Stamping

Exhibit will consist of the following:

A. Completed e-record in a sturdy binder/notebook.

B. Exhibit three (3) articles. Place the exhibit items on a board 12” x 18” x 1/8” or 1/4” (preferably pegboard) to which items are attached by means of lacing or thread. One each from categories below:

1. One Article or one set of articles on flat leather with no lacing or stitching. Examples: bookmark, wrist bracelet, set of coasters.
2. One article with at least two pieces of leather that are sewed together with lace using a whip stitch or running stitch. Pre-cut kits or self-cut leather may be used. Examples: key case or knife sheath.
3. One article with at least two pieces of leather that are sewed together with cord stitching. Use pre-cut kits with pre-punched holes. Example: coin purse.

C. Apply a **clear** finish to complete your article.

Note: No carving, solid color dyeing, color shading **and/or antiquing** will be permitted.

Class

2001. Unit 1 – Intro to Leathercraft - Junior

2002. Unit 1 – Intro to Leathercraft - Intermediate

2003. Unit 1 – Intro to Leathercraft - Senior

Unit 2

Beginning Leather Carving

Exhibit will consist of the following:

A. Completed e-Record in a sturdy binder/notebook.

B. Exhibit board 12" x 18" x 1/8" or 1/4" (preferably pegboard) to which items are attached by means of lacing or thread:

1. Three samples with labels showing:

a. Use of swivel knife and camouflage tool.

b. Steps shown in sample as well as use of pear shader, beveller and veiner.

c. Steps shown in samples a and b as well as use of seeder, backgrounder and decorative cuts. Clear leather finish applied to sample c (optional for samples a and b). **Note:**

The labels should reflect the tools used for each sample.

2. Two completed articles using tools and skills studied in Unit 2, which include lacing (at least one with double loop lacing).

Note: No pictorial carving (framed pictures) or figure carving (realistic animal and human figures). No **staining/antiquing**, solid color dyeing or shading is permitted.

Class

2004. Unit 2 – Beginning Leather Carving - Junior

2005. Unit 2 – Beginning Leather Carving - Intermediate

2006. Unit 2 – Beginning Leather Carving - Senior

Unit 3

Intermediate Leather Carving

Exhibit will consist of the following:

A. Completed e-Record in a sturdy binder/notebook.

B. One completed carved article or set that includes at least one of the major skills: carved conventional design, inverted carving techniques, simple molding and shaping or hand stitching. **Only clear finish and if laced the double loopstitch is required.**

Note: No pictorial carving (framed pictures) or figure carving (realistic animal and human figures). No solid color dyeing or shading will be permitted.

Class

2007. Unit 3 – Intermediate Leather Carving - Junior

2008. Unit 3- Intermediate Leather Carving - Intermediate

2009. Unit 3 – Intermediate Leather Carving - Senior

Advanced Units 4 – 10

Unit 4 Advanced Leather Carving

Exhibit will consist of the following:

A. Completed e-Record in a sturdy binder/notebook.

B. 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. Background dyeing, antiquing and two-tone finishing is optional in this unit.

Note: Solid color dyeing and color shading will not be permitted in Unit 4.

Class

2010. Unit 4 – Advanced Leather Carving - Junior

2011. Unit 4 – Advanced Leather Carving - Intermediate

2012. Unit 4 – Advanced Leather Carving - Senior

Unit 5 Coloring and Shading

Exhibit will consist of the following:

A. Completed e-Record in a sturdy binder/notebook.

B. One completed article or matching set, other than a picture, which demonstrates advanced carving skills and which is colored by solid-color dyeing, block dyeing or color shading, or antiquing. The design can be either conventional or realistic carving.

Class

2013. Unit 5 – Coloring & Shading - Junior

2014. Unit 5 – Coloring & Shading - Intermediate

2015. Unit 5 – Coloring & Shading - Senior

Unit 6 Pictorial Carving

Exhibit will consist of the following:

A. Completed e-Record in a sturdy binder/notebook.

B. One framed or mounted carved leather picture or a matching set, suitable for wall hanging. The article may be left natural color or it may be stained or colored according to any of the methods taught in previous units.

Class

2016. Unit 6 – Pictorial Carving - Junior

2017. Unit 6 – Pictorial Carving - Intermediate

2018. Unit 6 – Pictorial Carving - Senior

Unit 7 Making and Rebuilding Saddles

Exhibit will consist of the following:

A. Completed e-Record in a sturdy binder.

B. One completed saddle. The leather may be either tooled or untooled and may be finished in any suitable fashion.

Class

2019. Unit 7 – Making & Rebuilding Saddles - Junior

2020. Unit 7 – Making & Rebuilding Saddles - Intermediate

2021. Unit 7 – Making & Rebuilding Saddles - Senior

Unit 8 Advanced Creative Stamping

Exhibit will consist of the following:

A. Completed e-Record in a sturdy binder/notebook.

B. One completed article or matching set using creative stamping.

Class

2022. Unit 8 – Advanced Creative Stamping - Junior

2023. Unit 8 – Advanced Creative Stamping - Intermediate

2024. Unit 8 – Advanced Creative Stamping - Senior

Unit 9 Braiding and Untooled

Exhibit will consist of the following:

A. Completed e-Record in a sturdy binder/notebook.

B. 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.)

Class

2025. Unit 9 – Braiding & Untooled - Junior

2026. Unit 9 – Braiding & Untooled - Intermediate

2027. Unit 9 – Braiding & Untooled - Senior

Unit 10 Sewing Leather

Exhibit will consist of the following:

A. Completed e-Record in a sturdy binder/notebook.

B. One completed article or garment made by sewing leather.

Class

2028. Unit 10 – Sewing Leather - Junior

2029. Unit 10 – Sewing Leather - Intermediate

2030. Unit 10 – Sewing Leather - Senior

Special Awards

Overall Champion Leathercraft Exhibit

Josh Lasich Memorial – Tom & Marilyn Lasich, Fort Collins

Overall Reserve Champion Leathercraft Exhibit

Miller Ranch, Bryant & Patty Miller, Wellington

Outstanding Junior Leathercraft Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Leathercraft Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Leathercraft Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department Q Photography

Superintendent – Merritt Dupon
Junior Superintendent – Gabe Dupon

1. For all units, submit photo material for the current unit being entered. Do not submit previous photos or records.
2. In Levels 1 – 3 pictures can either be mounted on the journal pages or on card stock. Use the tips on page 73 of the manuals for mounting the pictures.
3. Display photo may be up to 5” x 7” in size. The photo **must** be mounted on a mat and suitable for hanging without additional frame. No other mounted materials (i.e. glass, wood, plastic, metal, etc.) can be used.
4. All photos in the notebook or manual should be 4” x 6” unless otherwise indicated in the manual. If the photos do not fit on the page, add a page for the photo.
5. **Display photo will be used to display at State Fair so be careful when picking your best photo. Notebooks will not be displayed at State Fair, if selected.**
6. The maximum size for the matted only picture is no larger than 8” x 10” (no frame or glass).
7. Binders/notebooks: Use a hardback, three-ring notebook up to 3” in size 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. Additional pages can be added as needed to exhibit your photos.
8. For photo exhibits in Levels 1 – 3 follow the tips on page 73 in the manuals. Photos can be mounted on the journal pages or on cardstock. Label format for Units 1 – 4:

Camera Used _____
Journal Page # _____
 (if using cardstock to mount pictures)
Photo # _____
 (left to right and top to bottom)
Subject _____
Date Photo Taken _____

9. Label Format for Unit 6
 Photo # or Media Used _____
 Subject _____
 Date Photo Taken or Date of Film _____
 Notes: _____

Unit 1 Focus On Photography

Exhibit will consist of the following:

A. Completed e-Record. Include the following in your story: what camera you used this year (brand name, film size, etc.), how you stored your pictures and why you picked your **Display Photo**. (Also include photos of you working on your project in the e-Record photo page.) Completion of pages 4 – 7 in the manual.

B. See Photography rule #8 for labeling instructions.

C. Level 1 photo exhibits will consist of the following Photo Journal pages from the manual (a minimum of 60 photos and maximum of

66 photos). Photos may be mounted on cardstock with reference to journal pages.

Juniors choose 7 photo activities from Numbers 2 – 16 to present in the notebook. Suggested to start with 2 and work down.

1. Photo Journal Page 7 – 1 photo (**Display Photo**) – will be **displayed-must be matted**.
2. Photo Journal page 12 – 5 photos
3. Photo Journal page 16 – 6 photos
4. Photo Journal page 20 – 6 photos - 3 photos of outdoor scene taken different times (explained in manual page 18); 3 photos of inside scene taken different times (explained in manual page 18) (minimum of 6 photos)
5. Photo Journal page 24 – 5 photos
6. Photo Journal page 28 – 4 photos
7. Photo Journal page 32 – 3 photos
8. Photo Journal Page 36 – 3 photos
9. Photo Journal Page 40 – 3 photos
10. Photo Journal Page 44 – 3 to 5 photos
11. Photo Journal Page 48 – 4 photos
12. Photo Journal Page 52 – 4 photos
13. Photo Journal Page 56 – 3 photos
14. Photo Journal Page 60 – 3 to 5 story format
15. Photo Journal Page 64 – 3 to 5 photos
16. Photo Journal Page 68 – 4 photos

D. Display photo – may be up to 5” x 7” in size but not larger than 8” x 10” matted. This photo will be used for displaying and must be matted.

Class

2101.Unit – 1 – Focus on Photogrpahy - Junior
 2102. Unit 1 – Focus on Photogrpahy - Intermediate
 2103. Unit 1 – Focus on Photography - Senior

Unit 2 Controlling the Image

Exhibit will consist of the following:

A. Completed e-Record. Include the following in your story: what camera you used this year (brand name, film size, etc.), how you stored your pictures and why you picked your **Display Photo** pictures. **Include photos of you working on your project in the e-Record photo page. Completion of pages 4 – 7 in the manual.**

B. See Photography rule #8 for labeling instructions.

C. 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.

1. Photo Journal page 7 – 1 photo (**Display Photo**) – will be **displayed-must be matted**.
2. Photo Journal 12 – 3 still subjects with different aperture settings (explained in manual page 10); 3 moving subjects with different shutter speeds (explained in manual page 10)
3. Photo Journal page 16 – 6 photos
4. Photo Journal page 20 – 3 photos (explained in manual on page 18)
5. Photo Journal page 24 – 4 photos – 2 photos with hard light and 2 photos with soft light
6. Photo Journal page 28 – 3 photos
7. Photo Journal page 32 – 3 photos
8. Photo Journal page 36 – 3 photos
9. Photo Journal page 40 – 3 photos
10. Photo Journal page 44 – 3 to 5 photos
11. Photo Journal page 48 – 1 photo

- 12. Photo Journal page 52 – 3 to 4 photos
- 13. Photo Journal page 56 – 2 photos
- 14. Photo Journal page 60 – 3 photos
- 15. Photo Journal page 64 – 3 photos
- 16. Photo Journal page 68 – panorama

D. Display photo – may be up to 5” x 7” in size but not larger than 8” x 10” matted. This photo will be used for displaying and must be matted.

Class

- 2104. Unit 2 – Controlling the Image - Junior
- 2105. Unit 2 – Controlling the Image - Intermediate
- 2106. Unit 2 – Controlling the Image - Senior

Unit 3 Mastering Photography

Exhibit will consist of the following:

A. Completed e-Record. Include the following in your story: what camera you used this year (brand name, film size, etc.), how you stored your pictures and why you picked your **Display Photo** pictures. **Include photos of you working on your project in the e-Record photo page. Completion of pages 4 – 7 in the manual.**

B. See Photography rule #8 for labeling instructions.

C. 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.

- 1. Photo Journal page 7 – 1 photo (**Display Photo**) – **will be displayed-must be matted.**
- 2. Photo Journal page 12 – 3 photos
- 3. Photo Journal page 16 – 3 photos
- 4. Photo Journal page 20 – 3 photos
- 5. Photo Journal page 24 – 2 photos
- 6. Photo Journal page 28 – 3 photos
- 7. Photo Journal page 32 – 2 photos
- 8. Photo Journal page 36 – 4 photos
- 9. Photo Journal page 40 – 4 photos
- 10. Photo Journal page 44 – 6 photos
- 11. Photo Journal page 48 – 4 photos
- 12. Photo Journal page 52 – 4 photos
- 13. Photo Journal page 56 – 3 photos
- 14. Photo Journal page 60 – 3 to 5 photos
- 15. Photo Journal page 64 – Brochure – is not included in total photo count
- 16. Photo Journal page 68 – 3 photos

D. Display photo – may be up to 5” x 7” in size but not larger than 8” x 10” matted. This photo will be used for displaying and must be matted.

Class

- 2107. Unit 3 – Mastering Photography - Junior
- 2108. Unit 3 – Mastering Photography - Intermediate
- 2109. Unit 3 – Mastering Photography - Senior

Unit 4 Lightning Photography

Unit 4 Lightning Photography is not limited to only lightning photos. Youth can exhibit photos taken at night: moon light photos, fireworks, night-time photos. Photos using long exposure and high speed can also be exhibited. Be sure to check out the requirements.

Exhibit will consist of the following:

A. Completed e-Record with emphasis on accomplishments in your story. **Include photos in the e-Record photo page of you working on your project.**

B. See Photography rule #8 for labeling instructions.

C. Three 5” x 7” photos mounted on a mat and suitable for hanging without additional frame. No other mounted materials (i.e. glass, wood, plastic, metal, etc.) can be used.

D. These three photos can be taken from any of these categories: lightning, night-time, fireworks, moonlight, long exposure and high speed photos. For example: two lightning photos and one moon-light photo; or one lightning, one fireworks, one long exposure, and so on. Any combination can be done.

E. Maximum size for the matted picture is no larger than 8” x 10”.

F. Attached to the back of the submitted print should be:

- 1. Name
- 2. County
- 3. Date, time, and location of photo
- 4. Make and model of camera used
- 5. Shutter speed and aperture setting
- 6. ASA film speed (for film cameras) or ISO resolution setting (for digital cameras)

Class

- 2110. Unit 4 - Lightning Photography - Junior
- 2111. Unit 4 – Lightning Photography - Intermediate
- 2112. Unit 4 – Lightning - Senior

Unit 6 Advanced Photography

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

Exhibit will consist of the following:

A. Completed **Photography Unit 6 e-Record** with emphasis on accomplishments in your story. **Include photos in the e-Record photo page of you working on your project. (Self Determined)**

B. All photos must be labeled according to Photography rule #9.

C. Include the following information on the Specific Information Page in the **Photography Unit 6 e-Record:**

- 1. goals
- 2. plans
- 3. accomplishments
- 4. evaluation

D. Photos should show your progress and be labeled as successful or not, plus reasons.

E. Notebook which illustrates achievements.

F. Display photo may be up to 5" x 7" in size but not larger 8" x 10" matted. This photo will be used for displaying and must be matted.

Class

2113.Unit 6 – Advanced Photography - Junior

2114.Unit 6 – Advanced Photography - Intermediate

2115. Unit 6 – Advanced Photography - Senior

Special Awards

Overall Champion Photography Exhibit

Tom & Kara Rudnick Family, Fort Collins

Outstanding Junior Outdoor Adventures Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Intermediate Outdoor Adventures Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Outstanding Senior Outdoor Adventures Record Book

Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department Q
4-H Filmmaking
 Superintendent – Merritt Dupon
 Junior Superintendent – Gabe Dupon

Description of what the Filmmaking Project Categories are:

1. Animation – A film created by techniques that simulate movement from individual images.
2. Narrative – **A film which tells a story that you created.** It can be based on fact or fiction.
3. Documentary – A film which presents factual information about a person, event or process.
4. Promotional – This category is for films or public service announcements that are meant to publicize 4-H programs or some other cause that you are passionate about.
5. Voices of 4-H History – A historical perspective on 4-H. may be a narrative, documentary, animation, etc.

Exhibit will consist of the following:

- A. Completed e-Record and photography binder/notebook including story board.
- B. Video must be less than 10 minutes in length.
- C. Make sure your video is in good taste (similar to G and PG ratings.) Videos may be disqualified if deemed to have questionable content. 4-H Code of Conduct must be followed.

D. A link must be provided to view the video. Members must supply the following information:

1. Name
2. County
3. Title
4. Class
5. 4-H Age
6. Short Description

Animation

Class	
2201.	Animation - Junior
2202.	Animation - Intermediate
2203.	Animation - Senior

Narrative

Class	
2204.	Narrative - Junior
2205.	Narrative - Intermediate
2206.	Narrative - Senior

Documentary

Class	
2207.	Documentary - Junior
2208.	Documentary - Intermediate
2209.	Documentary - Senior

Promotional

Class	
2210.	Promotional - Junior
2211.	Promotional - Intermediate
2212.	Promotional - Senior

Voices of 4-H History

Class	
2213.	Voices of 4-H History - Junior
2214.	Voices of 4-H History - Intermediate
2215.	Voices of 4-H History - Senior

Special Awards

- Overall Champion 4-H Filmmaking
Skillman Photography, Tom Skillman, Fort Collins
- Outstanding Junior Filmmaking Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins
- Outstanding Intermediate Filmmaking Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins
- Outstanding Senior Filmmaking Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department Q Woodworking

Superintendent – Stan Heeneey

Units 1, 2, and 3 in Woodworking have very 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 that shows evidence of not following these restrictions will not be considered for Champion or Reserve Champion.

Note: In making all placings, 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, ability to follow instructions, quality of workmanship and completeness of e-Record. Always use proper safety gear. (For large exhibits – like beds – please bring only the head and foot boards. No rails.)

Exhibit Requirements

All exhibits will consist of the following:

A. Completed Woodworking e-Record with the plans used for making the exhibit (tell if the plan was your own, manual or other) presented in a sturdy binder/notebook.

B. Include the following information on the Woodworking page:

1. Plan source used (your own, manual or other)
2. Kind of wood used
3. Names of joints and fasteners used
4. A drawing or other copy of a plan for the article exhibited:
 - a. dimensions
 - b. list of materials used
 - c. a description of any changes in the article's specifications
 - d. reason for the changes
5. List of all articles made

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 will not be considered for Champion or Reserve Champion.

C. Any one article constructed by the exhibitor using the skills learned in unit.

Unit 1 Measuring Up

Class	
2401.	..... Junior
2402.	..... Intermediate
2403.	..... Senior

Note: Only tools used are hand tools. Articles made with tools other than hand tools will not be considered for Champion or Reserve Champion.

Unit 2 Making the Cut

Class	
2404.	..... Junior
2405.	..... Intermediate
2406.	..... Senior

Note: Only tools used are hand tools, power hand drill, miter box (non-powered), oscillating (pad) sander and jigsaw. Articles made with power tools other than those listed will not be considered for Champion or Reserve Champion.

Unit 3 Nailing it Together

Class	
2407.	..... Junior
2408.	..... Intermediate
2409.	..... Senior

Note: 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. Articles made with power tools other than those listed will not be considered for Champion or Reserve Champion.

Unit 4 Finishing Up

Class	
2410.	..... Junior
2411.	..... Intermediate
2412.	..... Senior

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

Special Award

- Overall Champion Woodworking Exhibit
Tharp Cabinet Company, Garth Rummery, Loveland
 Outstanding Junior Woodworking Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins
 Outstanding Intermediate Woodworking Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins
 Outstanding Senior Woodworking Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Department R Self-Determined

(Not Eligible for State Fair)
Superintendent – Jane Lentz

Exhibit Requirements

All exhibits will consist of the following:

A. Completed e-Record Book.

B. An educational display board with something you have learned in the project. Photographs or drawings may be used to illustrate your project as well as an explanation of your work. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

C. For **First Aid and Creative Arts**, an actual item may be entered instead of a display board (i.e. first aid kit or jewelry).

Class

210. Junior
220. Intermediate
230. Senior

Special Award

Overall Champion Self-Determined Exhibit
Construction Supply House, Cindy Buckardt, Loveland
Outstanding Junior Self-Determined Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins
Outstanding Intermediate Self-Determined Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins
Outstanding Senior Self-Determined Record Book
Bug-A-Bug-A 4-H Club, Kara Rudnick, Fort Collins

Colorado 4-H Code of Conduct

4-H Members, Leaders, Parents, and other Adults participating in 4-H Programs will:

- 1. Adhere to program rules, curfews, dress codes, policies, and rules of the facility being used.**
- 2. Conduct themselves in a courteous, respectful manner, use appropriate language, exhibit good sportsmanship, and act as positive role models.**
- 3. Abstain from illegal behaviors, use of alcohol, marijuana, illegal or illicit drugs, and tobacco including e-cigarettes and vaping device during 4-H events and activities.**
- 4. Fully participate in scheduled activities.**
- 5. Respect others property and privacy rights.**
- 6. Respect the rights and authority of parents, leaders and Extension Agents.**
- 7. Abstain from abuse (physical and/or verbal) and harassment.**
- 8. Accept personal responsibility for behavior including any financial damage.**
- 9. Be responsible for any financial damage caused by inappropriate behavior.**
- 10. Adhere to principles and rules of safety.**

Consequences for violating any part of this code of conduct may include, but, are not limited to: removal from participation in the event in which the code of conduct has been violated (at the individual's expense); sanctions on participating in future 4-H events; forfeiture of financial support for the event; removal from offices held, etc.

Behavior outside of 4-H activities can affect "member in good standing" or "volunteer in good standing" status.

It is the responsibility of all program participants to reinforce the code of conduct and intervene when necessary to enforce the rules.

Colorado 4-H Dress Code

The following dress code has been developed for 4-H members and leaders to exhibit their best appearance during any 4-H events or activities. If you choose to dress inappropriately, you will be asked to change. Planning ahead will save you the inconvenience of changing your attire during the 4-H event or activity and ensure that you contribute to a pleasant 4-H atmosphere.

Please be advised that the following dress code will be enforced for all 4-H members attending 4-H events and activities.

- Clothing: All clothing shall be neat, clean, acceptable in repair and appearance, and shall be worn within the bounds of decency and good taste as appropriate for 4-H events and activities.
- Articles of clothing which display profanity, products, or slogans which promote tobacco, alcohol, drugs, sex or are in any other way distracting, are prohibited.
- Excessively baggy or tight clothing which advertises gang symbols or affiliation is prohibited.
- Items of clothing which expose bare midriffs, bare chests, undergarments, or that are transparent (see-through) are prohibited. Tank tops with straps wider than one inch are permitted. Please be advised that spaghetti straps, shirts which expose a bare back, halter tops, and tube tops are prohibited.
- Shorts must be mid-thigh length. No cut-off shorts or short-shorts allowed.
- Hats need to be removed for meetings, workshops, meals, and other times when asked to remove them.
- Shoes must be worn at all times deemed appropriate.

IAFE Code of Show Ring Ethics

Exhibitors of animals at livestock shows shall at all times deport themselves with honesty and good sportsmanship. Their conduct in this competitive environment shall always reflect the highest standards of honor and dignity to promote the advancement of agricultural education. This code applies to all exhibitors who compete at the Larimer County Fair. All leaders working with 4-H exhibitors are under an affirmative responsibility to do more than avoid improper conduct or questionable acts. Their moral values must be so certain and positive that those younger and more pliable will be influenced by their fine example. Exhibitors who violate the code of ethics will forfeit premiums and awards and shall be prohibited from future exhibition in accordance with the rules adopted by the Larimer County Fair Board. Exhibitors who violate this code of ethics demean the integrity of all livestock exhibitors and should be prohibited from competition at all livestock shows in the United States and Canada.

The following is a list of guidelines for all exhibitors and all livestock in competitive events:


- a. All exhibitors must present, upon request of Fair and Livestock Show officials, proof of ownership, length of ownership and age of all animals entered. Misrepresentation of ownership, age, or any facts relating thereto is prohibited.
- b. 4-H exhibitors are expected to care for and groom their animals while at the Fair.
- c. Animals shall be presented to the Fair where they will enter the food chain free of violative drug residues. The act of entering an animal in the County Fair is the giving of consent by the 4-H exhibitor for show management to obtain any specimens of urine, saliva, blood, or other substances from the animal to be used in testing. Animals not entered in an event which culminates with the animal entering the food chain shall not be administered drugs other than in accordance with applicable federal, state and provincial statutes, regulations and rules. Livestock shall not be exhibited if the drugs administered in accordance with federal, state and provincial statutes, regulations and rules affect the animal's performance or appearance at the event. If the laboratory report on the analysis of saliva, urine, blood, or other sample taken from livestock indicates the presence of forbidden drugs or medication, this shall be prima facie evidence such substance has been administered to the animal either internally or externally. It is presumed that the sample of urine, saliva, blood, or other substance tested by the laboratory to which it is sent is the one taken from the animal in question, its integrity is preserved and all procedures of said collection and preservation, transfer to the laboratory and analysis of the sample are correct and accurate and the report received from the laboratory pertains to the sample taken from the animal in question and correctly reflects the condition of the animal at the time the sample was taken, with the burden on the owner, exhibitor, fitter, trainer, or absolutely responsible person to prove otherwise.
- d. At any time after an animal arrives at the Fair, all treatments involving the use of drugs and/or medications for the sole purpose of protecting the health of the animal shall be administered by a licensed veterinarian.
- e. Any surgical procedure or injection of any foreign substance or drug or the external application of any substance (irritant, counterirritant, or similar substance) which could affect the animal's performance or alter its natural contour, confirmation, or appearance, except external applications of substances to the hooves or horns of animals which affect appearance only and except for surgical

procedures performed by a duly licensed veterinarian for the sole purpose of protecting the health of the animal, is prohibited.

- f. The use of showing and/or handling practices or devices such as striking animals to cause swelling, using electrical contrivance, or other similar practices are not acceptable and are prohibited.
- g. Direct criticism or interference with the judge, fair or livestock show management, other exhibitors, breed representatives, or show officials before, during, or after the competitive event is prohibited. In the furtherance of their official duty, all judges, fair and livestock show management, or other show officials shall be treated with courtesy, cooperation and respect and no person shall direct abusive or threatening conduct toward them.
- h. No 4-H exhibitor shall conspire with another person or persons to intentionally violate this code of ethics or knowingly contribute or cooperate with another person or persons either by affirmative action or inaction to violate this code of ethics. Violation of this rule shall subject such individual to disciplinary action. The application of this code of ethics provides for absolute responsibility for an animal's condition by the 4-H exhibitor whether or not he or she was actually instrumental in or had actual knowledge of the treatment of the animal in contravention of this code of ethics.
- i. The act of entering an animal is the giving of consent by the 4-H exhibitor to have disciplinary action taken by the Fair Executive Committee without recourse against the Fair Executive Committee. The act of entering an animal is the giving of consent that any proceedings or disciplinary action taken by the Fair Executive Committee may be published with the name of the violators in any publication of the International Association of Fairs and Expositions, including Fairs and Expositions and any special notices to members.
- j. The act of entering an animal in the Larimer County Fair is the giving of verification by the 4-H exhibitor that he or she has read the Code of Show Ring Ethics and understands the consequences of and penalties provided for actions by the code. It is further a consent that any action which contravenes these rules and is also in violation of federal, state, or provincial statutes, regulations, or rules may be released to appropriate law enforcement authorities with jurisdiction over such infractions.

All 4-H Projects (Except Horse & Dog)

SUBMIT FORM:

4-H ENTRY FORM Entries Close: July 15, 2019 	Mail To: Larimer County Fair 5280 Arena Circle, Suite 101 Loveland, CO 80538 **By July 15**	Bring to: Fair Extension Office McKee 4-H Building (970) 619-4080 FAX (970) 619-4085 **July 10 – 15**	Office Use ONLY Exhibitor Number: _____ Late Fees: \$ _____
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Exhibitor Name: _____

Address: _____

City / Zip: _____

Date of Birth: _____ Age on Dec 31: _____

Home Phone #: _____

4-H Club: _____

Parent / Guardian Name: _____

Emergency Phone #: _____

Premises ID #: (Livestock Only) _____

Entry Fees & Late Fees for All 4-H Departments			
Number			\$
_____	Market Beef	@ \$3.00 per animal	_____
_____	Market Lambs	@ \$2.00 per animal	_____
_____	Market Goats	@ \$2.00 per animal	_____
_____	Market Swine	@ \$2.00 per animal	_____
_____	All Poultry	@ \$6.00 per exhibitor	_____
_____	All Rabbits	@ \$6.00 per exhibitor	_____
_____	Health Inspection*	@ \$1.00 per animal	_____
<i>*For all breeding & market animals and cats (excluding poultry & rabbits).</i>			
_____	Carcass Contest	@ \$6.00 per animal	_____
_____	Late Entry	@ \$25.00 per class ALL DEPTS.	\$ _____
Total Due			\$ _____

All columns below must be completed that apply to your project.			Complete columns below for animal entries			
Department	Class #	Class Description	Breed	Ear Tag, Tattoo or Leg Band	Date of Birth <i>(breeding only)</i>	Sex
			SUBMIT YOUR LIVESTOCK CODE OF ETHICS FORM, TOO!			

Please accept the following entries, subject to the rules governing the exhibits at the Larimer County Fair as published in the 2019 Premium Book. All statements made in connection with these entries are true. I hereby release the Larimer County Fair from all damages or loss caused by my exhibit. I also agree to abide by the rules as stated in the Premium Book.

Signature of Member	Date	Signature of Parent / Guardian	Date
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