

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.

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: The Ranch Fair Staff, Show Management Committee, and volunteer Superintendents.

Fairground Location: The Larimer County Fair is held at The Ranch. The mailing address of the Fair Office is 5280 Arena Circle, Suite 101, Loveland, Colorado 80538. Phone 970-619-4000; Fax 970-619-4001.

Responsibility: The Ranch, Larimer County Fair Board, Show Management Committee and Extension staff will use reasonable diligence to insure safety of exhibits after their arrival and placement. Under no circumstance will the parties listed 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, The Fair Show Committee, 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. Bringing dogs to the Larimer County Fair & Rodeo is discouraged except for the 4-H Dog Project and/or licensed service dogs.

First Aid and Emergencies: Every effort will be made to have Emergency Medical Services personnel on site during the Larimer County Fair & Rodeo. In the event of a life-threatening emergency, call 911.

Exhibition Hall Schedule

The First National Bank Building South Exhibition Hall and McKee 4-H Building are open for public viewing:

Friday, August 5	4:00 p.m. to 8:00 p.m.
Saturday, August 6	10:00 a.m. to 8:00 p.m.
Sunday, August 7	10:00 a.m. to 8:00 p.m.
Monday, August 8	2:00 p.m. to 8:00 p.m.
Tuesday, August 9	2:00 p.m. to 7:00 p.m.

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 2022 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 2022 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 through FairEntry <http://larimercountyfair.fairentry.com> must be completed by **11:59 p.m., July 8.**

2. Late Entries – Fair Entries received after 11:59 p.m. July 8 are subject to a \$25 late charge per class. No late entries will be taken after 11:59 p.m. on Sunday July 10 for exhibits.

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 in the **Administration Office, The Ranch.**

Wednesday, August 10: 7:00 a.m. - 2:00 p.m.

Thursday, August 11: 8:00 a.m. - 4:00 p.m.

Friday, August 12: 8:00 a.m. - 12:00 noon

Award Money not collected before noon, Friday, August 12 will be forfeited. No Exceptions.

4. Judging – See the judging schedule posted on the website. 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 area.

5. Release of Exhibits – No exhibit shall be released until 7:00 a.m. Wednesday, August 10. All exhibits in the 4-H Building must be picked up between 7:00 a.m. and 10:00 a.m., Wednesday, August 10. Removal of any exhibit before the designated time will cause the forfeiture of award money. Early removal requires a written approval from the affected Coordinating Superintendent or Department Extension contact person.

6. Rule Violation – A report of a rule violation may be communicated by any means to a member of the **Show Management Committee** 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. A **Show Management Committee member** 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 **Show Management Committee** 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 **Show Management Committee** has been established and will include 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 **Show Management 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 **Show Management 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 a member of the **Show Management Committee** 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. Alcohol/Drug Restrictions:

a. 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 and camping areas.

b. Alcoholic beverages not purchased on the premises will be confiscated immediately and may result in fines and/or ejection of parties with alcohol from the premises.

c. Alcohol use is discouraged as it violates the 4-H Youth Development Program philosophy.

d. The use of Marijuana/CBD or other illegal drugs is strictly prohibited.

e. The use of Marijuana or CBD in any display, food item, or exhibit is prohibited. Exhibits with such use will be disqualified and exhibitor may be barred from showing at fair.

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, 2021. 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, 2021.

2. Prior Entry: Prior entry is required in all 4-H departments. See section 1 under Exhibitor General Rules and Regulations above.

3. 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.

4. 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.

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.

General Division & Family Consumer Science Division (Static Projects)

General Coordinating Superintendent – Cindy Buckardt
Assistants – Brent Buckardt, Curtis Buckardt
Family Consumer Science Coordinating Superintendent – Kara
Rudnick
Extension Contact – Katie Daywalker & Bailey Schilling

Rules

1. **Entries** - Prior entry is required in all departments. Entry will be made through FairEntry: <http://larimercountyfair.fairentry.com/>
Entry deadline is 11:59 p.m. July 8.

Late Entries – Fair Entries received after 11:59 p.m. July 8 are subject to a \$25 late charge per class. No late entries will be taken after 11:59 p.m. on Sunday July 10 for 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. **Information will be sent to you with instructions for signing up for Interview Judging.**

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, August 2, between 8:30 a.m. – 10:00 a.m. and picked up between 7:00 a.m. – 10:00 a.m. on Wednesday, August 10.**

3. Ages for the Junior and Senior classes are as follows:
Junior – members ages 8 - 13, as of December 31, 2021.
Senior – members 14 and over, as of December 31, 2021.
When classes include Junior, Intermediate and Senior, class divisions are as follows:
Junior - 8 to 10 years, as of December 31, 2021
Intermediate - 11 to 13 years, as of December 31, 2021
Senior - 14 years and over, as of December 31, 2021

4. **Entry labels will be available at check-in. Label will need to be attached to the upper right hand front outside of the binder/notebook and on the exhibit, usually the back of the exhibit or on the flap. Department Superintendents will be able to assist with applying these at the time of interview judging.**

5. **Exhibits will be released and must be removed between 7:00 a.m. – 10:00 a.m. on Wednesday, August 10.** 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.

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/4-h-home/4-h-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 2, #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 17. Exhibitors must check in with the Extension Agent during checkout time if they wish to take their project home to pack prior to State Fair. If an exhibitor does not check in with the Extension Agent, their opportunity to compete at the State Fair may be offered to next eligible member.**

Premium money will be:

Blue – \$3.00; Red – \$2.00; 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. **Use the smallest width binder option that can accommodate your materials.**

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.

Animal Science Veterinary Science

Superintendent – Stephanie Brault

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.

Horseless Horse

Superintendent – Tracy Brien

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

Cats

Superintendent – Stephanie Brault

Exhibit Requirements

All exhibits will consist of the following:

A. A completed **Cat Display 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

Mechanical Sciences

Metalworking

Superintendents – Rex Rogers & Brent Buckardt

The following types of projects cannot be exhibited at the Fair: Weaponry (knives, swords, spear points, etc.) cutting tools (axes, saws, knives, machetes, etc.), sharp home or garden tools (garden hoe, shears, loppers, saws, etc.), sharp outdoor, hunting or fishing equipment (frog gig, leg trap, arrow points, hooks, fishing/meat gaff, etc.), propulsion or motorized vehicles (go carts, etc.) or any other item deemed dangerous or inappropriate by the superintendent(s).

For ideas, tips, and answers to frequently asked questions, please see the Metalwork Tip Sheet at:

<https://co4h.colostate.edu/projects/pages/Metalworking-PT.pdf>

Unit 1

Introduction to Welding

Exhibit Requirements

Exhibit will consist of the following:

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

B. Exhibit the following:

a. One each: Lap, Butt and 90-degree T joints

Requirements:

- i. Each joint will be made of 2 separate pieces, 3" to 4" long of 1" to 2" side flat strap metal, between 1/8" (11 gauge) and 1/4" thick.
- ii. On clean steel with no paint, oil, or other finishes
- iii. Single pass weld on one side of each required joint
- iv. Name, County and Class number on bottom of each completed joint in permanent ink or paint.

b. An exhibit up to 3'x3'x7' and under 50 lbs.

- i. No paint, oil, or other finishes
- ii. No grinding or smoothing of welds
- iii. Metal only – no wood, plastic, or other building materials on the project to be judged

c. Photos of the exhibit project construction (placed in the e-record.

- i. Four photos of the prep work (drafting plans, measuring, cutting, torching, bending, fitting, etc.)
- ii. Four photos of actual welds (individual welds)
- iii. Four photos of finish work (no painting, no oil, no seasoning, front view, side view, top view, best overall view)

Class

501. Unit 1 – Intro to Metalwork – Junior

502. Unit 1 – Intro to Metalwork – Intermediate

503. Unit 1 – Intro to Metalwork – Senior

Unit 2

Metal Fabrication

Exhibit Requirements

Exhibit will consist of the following:

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

B. Exhibit the following:

a. An exhibit project up to 3'x3'x7' and under 100 lbs.

- i. Paint, oil, and other finishes are allowed
- ii. Grind of welds is allowed
- iii. Wood, plastic, or other building materials are allowed but must be less than 50% of the project materials
- iv. No moving parts – must be a static item (no hinges, wheels, slides, etc.)
- v. No additional features (lights, electrical, water, etc.)

b. Photos of the exhibit project construction (placed in the e-record.

- i. Four photos of the prep work (drafting plans, measuring, cutting, torching, bending, fitting, etc.)
- ii. Four photos of actual welds (individual welds)
- iii. Four photos of finish work (no painting, no oil, no seasoning, front view, side view, top view, best overall view)

Class

504. Unit 2 – Metal Fabrication – Junior

505. Unit 2 – Metal Fabrication – Intermediate

506. Unit 2 – Metal Fabrication – Senior

Unit 3

Advanced Metal Fabrication

Exhibit Requirements

Exhibit will consist of the following:

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

B. Exhibit the following:

a. An exhibit up to 3'x3'x7' and under 150 lbs.

- i. Paint, oil, and other finishes are allowed
- ii. Grinding of welds is allowed
- iii. Moving parts allowed (hinges, wheels, slides, etc.)
- iv. Additional features allowed (lights, electrical, water, etc.)

b. Photos of the exhibit project construction (placed in the e-record.

- i. Four photos of the prep work (drafting plans, measuring, cutting, torching, bending, fitting, etc.)
- ii. Four photos of actual welds (individual welds)
- iii. Four photos of finish work (no painting, no oil, no seasoning, front view, side view, top view, best overall view)

Class

507. Unit 3 – Metal Fabrication – Junior

508. Unit 3 – Metal Fabrication – Intermediate

509. Unit 3 – Metal Fabrication – Senior

Unit 4
Large Exhibit Fabrication
Exhibit Requirements

Exhibit will consist of the following:

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

B. Exhibit the following:

a. A 4' wide by 3' tall display board of your completed project with the following minimum information.

- i. Title or description of exhibit project**
- ii. Left Side – Four photos minimum of the prep work (drafting plans, measuring, cutting, torching, bending, fitting, etc.)**
- iii. Right Side – Four photos minimum of completed welds**
 - 1. No paint, oil, or other finishes on welds**
 - 2. No grinding or smoothing of welds**
- iv. Center – Four photos of minimum finish project (front view, side view, top view, best overall view)**
- v. All project photos must be 5"x7" minimum**
- vi. Captions for each photo**
- vii. Project Requirements**
 - 1. An exhibit project larger than 3'x3'x7' or over 150 lbs.**
 - 2. Paint, oil, and other finishes are allowed**
 - 3. Grinding of welds is allowed**
 - 4. Wood, plastic, or other building materials are allowed but must be less than 50% of the project materials**
 - 5. Moving parts allowed, hinges, wheels, slides, etc.)**
 - 6. Additional features allowed (lights, electrical, water, etc.)**

Class

- 510.** Unit 4 – Metal Fabrication – Junior
511. Unit 4 – Metal Fabrication – Intermediate
512. Unit 4 – Metal Fabrication – Senior

Computer Science

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.

Exhibit Requirements

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

Stand-Alone Exhibits

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

Electricity

Unit 1 Magic of Electricity Exhibit Requirements

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 Requirements

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 Requirements

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 Requirements

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

Model Rocketry

Model Rocketry (Exhibit)

Superintendent –

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. Unit 4 members may build helicopter and glider recovery rocket kits.

5. 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.**

6. 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 15.)

Exhibit Requirements

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; **observations of rocket stability, fight path, etc.;** 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 (Estes Intermediate)** or that meets at **maximum these criteria:**

1. **Three to four balsa wood fins**
2. **Parachute recovery system**
3. **Single-stage motor (A3 to B6 first flight recommended motor size)**

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 15.)

Exhibit Requirements

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; **observations of rocket stability, fight path, etc.;** 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 (Estes Advanced)** or that meets at **maximum these criteria:**

1. **Three to eight balsa wood fins including canard fins**
2. **Parachute recovery system**
3. **Single-stage motor (A3 up to C11 first flight recommended motor size)**

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 15.)

Exhibit Requirements

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; **observations of rocket stability, flight path, etc.**; 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 (Estes Expert) or that meets at maximum these criteria:

1. **Any combination of balsa wood fins**
2. **Parachute recovery system**
3. **Single-stage motor (B6 up to E12 first flight recommended motor size)**

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 15.)

Exhibit Requirements

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; altitude achieved **and how it was determined**; 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 **1 up to Skill Level IV (Estes Master) or that meets at maximum these criteria:**

1. **Any combination of balsa wood or plastic fins**
2. **Parachute, helicopter, or glider recovery system**
3. **Single-stage motor (A3 up to E12 first flight recommended motor size)**

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 15.)

Exhibit Requirements

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. Include a copy of the plans or blueprints on how to build the rocket. **If you used any software, such as an Excel spreadsheet, include that in your binder/notebook.**

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; **observations of rocket stability, flight path, etc.**; altitude achieved **and how it was determined**; 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 or plans) 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

Model Rocketry Fly Day

Superintendent – Ryan Gebhardt

Saturday, July 30, 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 wadding. 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, and landing. **Rockets must be painted.**
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, August 2, 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

Robotics & Engineering

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, Multipl, 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 Requirements

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 Requirements

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 Requirements

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 Requirements

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 Requirements

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 Requirements

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 Requirements

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

Small Engines

Unit 1 Crank It Up Exhibit Requirements

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 Requirements

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 Requirements

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 providing 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 Requirements

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.)

Woodworking

Superintendent – Stan Heeney

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.

Projects for Units 1 and 2 will be a maximum size of 3’x3’x7’ as they are meant to be used or displayed. The item must be stable when standing to be displayed.

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. **(Please notify the Extension Office in advance if exhibit is oversized.)**)

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. 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. Measuring Up – Junior

2402. Measuring Up – Intermediate

2403. Measuring Up – Senior

Note: Use hand tools only. Articles made with tools other than hand tools will not be considered for Champion or Reserve Champion. **A hand miter box is allowed. Size restriction: 3’x3’x7’.**

Unit 2 Making the Cut

Class

2404. Making the Cut – Junior

2405. Making the Cut – Intermediate

2406. Making the Cut – Senior

Note: The 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. **Size restriction: 3’x3’x7’.**

Unit 3 Nailing It Together

Class

2407. Nailing It Together – Junior

2408. Nailing It Together – Intermediate

2409. Nailing It Together – Senior

Note: The 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. Finishing Up – Junior

2411. Finishing Up – Intermediate

2412. Finishing Up – Senior

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

Natural Resources

Entomology

Superintendent – Susan Epperson

Note: Entomology Workbook Required

Exhibits in Entomology are limited to insect specimens only.

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. **Each year 4-H members build on their collection by adding new insects as required for that particular unit. Refer to the exhibit requirements for the number of insects to collect for that unit.**
7. On Unit 2 through Unit 5 classes, the insect display must include date and location where insects were collected. Place this information on labels attached to insect pins.

Level 1: Teaming With Insects

Unit 1: Display Board

Exhibit Requirements

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. **Do a minimum of 12 activities of any combination from the manual.**
- B. **A display board representing some phase of your project work. This could include a chart or special equipment used or developed for the activities in the workbook. The standardized display board size of 4' x 3' is to be used. No additional items may be included in front of the display board.**

Class

1101. Learning About Insects – Junior
1102. Learning About Insects – Intermediate
1103. Learning About Insects – Senior

Level 1: Teaming With Insects

Unit 2: Insect Collection

Exhibit Requirements

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. **Do a minimum of 12 activities of any combination from the manual.**
- 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. Beginner Collection – Junior
1105. Beginner Collection – Intermediate
1106. Beginner Collection – Senior

Level 2: Teaming With Insects

Unit 3

Exhibit Requirements

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. **Do a minimum of 12 activities of any combination from the manual.**
- B. Insect collection: display no fewer than 75 and no more than 150 insects including a representative from at least 9 different orders, (one order developed in water) **and include one incomplete metamorphosis (egg-nymph-adult), correctly labeled.** Standard-sized display boxes with removable glass covers are required.

Class

1107. Be an Entomologist – Junior
1108. Be an Entomologist – Intermediate
1109. Be an Entomologist – Senior

Level 3: Teaming With Insects

Unit 4

Insect Identification and Community Projects

Exhibit Requirements

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. **Do a minimum of 12 activities of any combination from the manual.**
- 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 100 and no more than 250 Insects in 10 different, correctly labeled orders. Standard-sized display boxes with removable glass covers are required.

Class

1110. Insect Investigations – Junior
1111. Insect Investigations – Intermediate
1112. Insect Investigations – Senior

Level 3: Teaming With Insects
Unit 5: Immature Insects and Life Stages
Exhibit Requirements

Exhibit will consist of the following:

A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. **Do a minimum of 12 activities of any combination from the manual.**

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.

Class

1113. Immature Insects and Life Stages – Junior

1114. Immature Insects and Life Stages – Intermediate

1115. Immature Insects and Life Stages – Senior

Any Level: Teaming With Insects
Unit 6: Advanced
Exhibit Requirements

Exhibit will consist of the following:

A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. **Do a minimum of 12 activities of any combination from the manual.**

B. A display board representing some phase of your 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 the display board.

Class

1116. Exploring With Insects Advanced – Junior

1117. Exploring With Insects Advanced – Intermediate

1118. Exploring With Insects Advanced – Senior

Gardening

Superintendent - David 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 pages of the manual : pages 43, 44 & 45 in See Them Sprout; pages 45, 46 & 47 in Let's Get Growing; pages 45, 46 & 47 in Take your Pick; and pages 45, 46 & 47 in Growing a Profit in the e-Record.

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

Outdoor Adventures

Superintendent – Carrie Adams

Exhibit Requirements

All exhibits will consist of the following:

A. A completed project manual of at least 6 chapter activities and at least 6 Reach the Peak activities completed each year and the e-Record presented 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

Shooting Sports

Superintendents – Cory Bensley, Rod Bergstrom,
Mike Conley, Jackie Easthouse, Jim Easthouse, Scott Gillespie,
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 the exhibitor participated in, 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. No display boards or decorative items are allowed in the Stand-Alone classes. No humanoid targets are allowed in any form, including within photographs or drawings.

4. All Stand Alone Exhibits are requested to attach a page explaining:

- A. What the project is?
- B. How is it used?
- C. How was it made?

Please use a large enough font or handwriting large enough that an audience can read it from a distance when displayed.

5. No live ammo, or projectiles including pellets, round balls, or arrows, (with or without 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 firearm.) 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 Board Exhibits: 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, heavier than 35 lbs. will be the responsibility of the exhibitor to take to the State Fair.

10. A new class has been added. This is a decorative item class. Items to be exhibited in this class are items that are used to decorate a room, building, etc. This item would be considered a decorative item (board with antlers, using feathers to make an item, jewelry, etc.)

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 or decorative items are allowed in the Stand-Alone classes. Please check out rule #4 on page 24.

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

Decorative Exhibit Items

Decorative items are items that are made from materials from the different disciplines but are for aesthetic value in decorating a room. All items from all the disciplines that are decorative will be in these classes.

Class

1355. Decorative Item – Junior
1356. Decorative Item – Intermediate
1357. Decorative Item – Senior

Sportfishing

Exhibit Requirements

All exhibits will consist of the following:

A. Completed Sportfishing e-Record in a sturdy binder/notebook including the information requested on the Project Information page, and the Catch and Release information and the Fishing Journal information.

B. 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.

C. Hooks must be removed from lures and jigs when these items are used in an exhibit. The exceptions are artificial flies, which may be exhibited with functional hooks, but the hook points must be imbedded in material (i.e., rubber, dense cork, etc.) that will secure the flies and offer safety to the judges and other show officials. **Be sure to remove barbs and any other sharp points.**

D. 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, heavier 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

Wildlife

Superintendent – Carrie Adams

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

Beekeeping

Superintendent – Jenelle Kemper

Unit 1 Beekeeping Exhibit Requirements

Exhibits will consist of the following:

A. Completed Beekeeping Unit 1 e-Record in a sturdy binder/notebook.

B. Exhibit one of the following topics on a display board:

1. Flowers used to make honey (display pressed flowers from 10 different Colorado plants that bees use for making honey)
2. Uses of honey and beeswax, past and present
3. Setting up a beehive
4. Safe handling of bees
5. History of beekeeping

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

Class

1601. Unit 1 – Beekeeping – Display Board – Junior
1602. Unit 1 – Beekeeping – Display Board – Intermediate
1603. Unit 1 – Beekeeping – Display Board – Senior

Unit 2 Beekeeping Exhibit Requirements

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit one of the following topics on a display board:

Working with honeybees present a topic from your manual to teach about working with honeybees (example: Regional Differences of Beekeeping). Use your knowledge and creativity to display this information. The standardized display board size of 4' x 3' is to be used. No additional items may be included in front of the display board.

Class

1604. Unit 2 – Beekeeping – Display Board – Junior
1605. Unit 2 – Beekeeping – Display Board – Intermediate
1606. Unit 2 – Beekeeping – Display Board – Senior

Unit 2 Beekeeping – Extracted Honey Stand-Alone Exhibits Exhibit Requirements

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit: Extracted Honey (2 one-pound jars, shown in glass or clear plastic with screw tops). Jars must be labeled with name, county, class, where honey was extracted and date.

Class

1607. Unit 2 – Beekeeping – Extracted Honey – Junior
1608. Unit 2 – Beekeeping – Extracted Honey – Intermediate
1609. Unit 2 – Beekeeping – Extracted Honey – Senior

Unit 2 Beekeeping – Chunk Honey Stand-Alone Exhibits Exhibit Requirements

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit: Chunk Honey (comb in jar shown in 2 one-pound jars wide mouth glass or clear plastic. Jars must be labeled with name, county, class, where honey was taken and date.

Class

1610. Unit 2 – Beekeeping – Chunk Honey – Junior
1611. Unit 2 – Beekeeping – Chunk Honey – Intermediate
1612. Unit 2 – Beekeeping – Chunk Honey – Senior

Unit 2 Beekeeping – Cut Comb Honey Stand-Alone Exhibits Exhibit Requirements

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit: Cut Comb Honey (2 one-pound boxes, usually 4 ½" x 4 ½" in size). Boxes must be labeled with name, county, class, where honey was taken and date.

Class

1613. Unit 2 – Beekeeping – Cut Comb Honey – Junior
1614. Unit 2 – Beekeeping – Cut Comb Honey – Intermediate
1615. Unit 2 – Beekeeping – Cut Comb Honey – Senior

Unit 2 Beekeeping – Wooden Ware Stand-Alone Exhibits Exhibit Requirements

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit: Wooden Ware examples – toolbox, hive components, etc. Item must be labeled with name, county, and class.

Class

1616. Unit 2 – Beekeeping – Wooden Ware – Junior
1617. Unit 2 – Beekeeping – Wooden Ware – Intermediate
1618. Unit 2 – Beekeeping – Wooden Ware – Senior

**Unit 3
Beekeeping
Exhibit Requirements**

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit: Prepare an educational display board or notebook about honeybees or beekeeping (example topics: diseases, seasonal colony management, etc.) Use your knowledge and creativity to display this information. The standardized display board size of 4' x 3' is to be used. No additional items may be included in front of the display board.

1619. Unit 3 – Beekeeping – Display Board – Junior
 1620. Unit 3 – Beekeeping – Display Board – Intermediate
 1621. Unit 3 – Beekeeping – Display Board – Senior

**Unit 3
Beekeeping – Extracted Honey
Stand-Alone Exhibits
Exhibit Requirements**

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit: Extracted Honey (2 one-pound jars, shown in glass or clear plastic) shown as described in Beekeeping Unit 2. Jars must be labeled with name, county, class, where honey was extracted and date.

- Class
 1622. Unit 3 – Beekeeping – Extracted Honey – Junior
 1623. Unit 3 – Beekeeping – Extracted Honey – Intermediate
 1624. Unit 3 – Beekeeping – Extracted Honey – Senior

**Unit 3
Beekeeping – Chunk Honey
Stand-Alone Exhibits
Exhibit Requirements**

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit: Chunk Honey (comb in jar 2 one-pound jars (wide-mouth glass or clear plastic) shown as described in Beekeeping Unit 2. Jars must be labeled with name, county, class, where honey was taken and date.

- Class
 1625. Unit 3 – Beekeeping – Chunk Honey – Junior
 1626. Unit 3 – Beekeeping – Chunk Honey – Intermediate
 1627. Unit 3 – Beekeeping – Chunk Honey – Senior

**Unit 3
Beekeeping – Cut Comb Honey
Stand-Alone Exhibits
Exhibit Requirements**

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit: Cut Comb Honey - 2 one-pound boxes. Boxes are usually 4 ½" x 4 ½" in size (shown as described in Beekeeping Unit 2). Boxes must be labeled with name, county, class, where hone was taken and date.

- Class
 1628. Unit 3 – Beekeeping – Junior
 1629. Unit 3 – Beekeeping – Intermediate
 1630. Unit 3 – Beekeeping – Senior

**Unit 3
Beekeeping – Comb Honey
Stand-Alone Exhibits
Exhibit Requirements**

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit: Cut Comb Honey - 2 sections (honey built by bees in frames of wood commonly called "sections"). Boxes are usually 4 ½" x 4 ½" in size (shown as described in Beekeeping Unit 2). Sections must be labeled with name, county, class, where hone was taken and date.

- Class
 1631. Unit 3 – Beekeeping – Junior
 1632. Unit 3 – Beekeeping – Intermediate
 1633. Unit 3 – Beekeeping – Senior

**Unit 3
Beekeeping – Wooden Ware
Stand-Alone Exhibits
Exhibit Requirements**

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. Exhibit: Wooden Ware examples – toolbox, hive components, etc. Item must be labeled with name, county, and class.

- Class
 1634. Unit 3 – Beekeeping – Wooden Ware – Junior
 1635. Unit 3 – Beekeeping – Wooden Ware – Intermediate
 1636. Unit 3 – Beekeeping – Wooden Ware – Senior

Unit 4

Advanced Beekeeping

(Must have at least 2 years of beekeeping project experience and have your own hives.)

Exhibit Requirements

Exhibits will consist of the following:

A. Completed Beekeeping Units 2 - 4 e-Record in a sturdy binder/notebook.

B. A detailed notebook describing your project including your goals, plans, accomplishments, and your evaluation of results. You may use pictures or any records that you have kept that provides evidence of your accomplishments. If an item was made as part of your project, a sample may be displayed as further evidence of the quality of your project. Display must not require over a 1' x 1' area or consist of more than three items.

Class

1637. Unit 4 – Advanced Beekeeping – Intermediate

1638. Unit 4 – Advanced Beekeeping – Senior

Communication, Arts & Leisure Sciences Ceramics

Superintendent – Amber Hersh

1. All exhibits must have the name, age, county, of exhibitor securely attached.
2. All work must be done by the member, including the cleaning of greenware or soft bisque used in the Porcelain Doll Unit.
3. A member repeating any unit must learn new skills.
4. One piece consists of no more than one item with lid (i.e., sugar bowl and lid). More than one piece is considered a set. Pieces in a set **must** be related.
5. All ceramic pieces must be free for **close** inspection by the judge. (Flowers should not be fastened with floral clay in a flower pot. Doll's clothing must be easily removed.) If not, the piece/pieces will be disqualified.
6. **Bisque option is for items that are already cleaned and fired and can be exhibited in Units 1, 2, and 4.**

Unit 1 Glazes

(Includes glazes on earthenware, stoneware, and porcelain)

Exhibit Requirements

All exhibits will consist of the following:

- A. Completed Ceramics e-Record presented in a sturdy binder/notebook.
- B. Two completed learning projects with information listed on the Ceramic page.
- C. Include at least three technique sheets for completed project. Technique sheet should have enough information included so the exhibitor or other persons would be able to make a project very similar by following the instructions. You should have a technique sheet with each piece you exhibit. The technique sheet should include:
 1. A list of all tools and brushes used. Sizes should be included, if applicable.
 2. A list of brand name, number and colors used.
 3. A list of steps;
 - a. If the piece was bisque-fired before application of color and to what cone size or temperature.
 - b. How the color/colors were applied and number of coats. The cone size or temperature the color/colors were fired.
 - c. A list of other products used.
- D. One piece or set showing techniques learned.

Class

1701.Ceramics – Unit 1 – Glazes – Junior
1702. Ceramics – Unit 1 – Glazes – Intermediate
1703. Ceramics – Unit 1 – Glazes – Senior
1704. Ceramics – Unit 1 – Bisque Option – Junior
1705. Ceramics – Unit 1 – Bisque Option – Intermediate
1706.Ceramics – Unit 1 – Bisque Option – Senior

Unit 2 Underglazes

(Includes underglazes on earthenware, stoneware, and porcelain)

Exhibit Requirements

All exhibits will consist of the following:

- A. Complete Ceramics e-Record presented in a sturdy binder/notebook.
- B. Two completed learning projects with information listed on the Ceramic page.
- C. Include at least three technique sheets for completed project. Technique sheet should have enough information included so the exhibitor or other persons would be able to make a project very similar by following the instructions. You should have a technique sheet with each piece you exhibit. The technique sheet should include:
 1. A list of all tools and brushes used. Sizes should be included, if applicable.
 2. A list of brand name, number and colors used.
 3. A list of steps:
 - a. If the piece was bisque-fired before application of color and to what cone size or temperature.
 - b. How the color/colors were applied and number of coats. The cone size or temperature the color/colors were fired.
 - c. A list of other products used.
- D. One piece or set showing techniques learned.

Class

1707.Ceramics – Unit 2 – Underglazes – Junior
1708.Ceramics – Unit 2 – Underglazes – Intermediate
1709. Ceramics – Unit 2 – Underglazes – Senior
1710.Ceramics – Unit 2 – Bisque Option – Junior
1711.Ceramics – Unit 2 – Bisque Option – Intermediate
1712. Ceramics – Unit 2 – Bisque Option – Senior

Unit 3 Overglazes

(Includes overglazes on earthenware, stoneware, and porcelain)

Exhibit Requirements

All exhibits will consist of the following:

- A. Complete Ceramics e-Record presented in a sturdy binder/notebook.
- B. Two completed learning projects with information listed on the Ceramic page.
- C. Include at least three technique sheets for completed project. Technique sheet should have enough information included so the exhibitor or other persons would be able to make a project very similar by following the instructions. You should have a technique sheet with each piece you exhibit. The technique sheet should include:
 1. A list of all tools and brushes used. Sizes should be included, if applicable.
 2. A list of brand name, number and colors used.
 3. A list of steps:
 - a. If the piece was bisque-fired before application of color and to what cone size or temperature.
 - b. How the color/colors were applied and number of coats. The cone size or temperature the color/colors were fired.

c. A list of other products used.

D. One piece or set showing techniques learned.

Class

1713. Ceramics – Unit 3 – Overglazes – Junior

1714. Ceramics – Unit 3 – Overglazes – Intermediate

1715. Ceramics – Unit 3 – Overglazes – Senior

Unit 4

Unfired Finishes

(Includes unfired finishes on earthenware, stoneware, and porcelain)

Exhibit Requirements

All exhibits will consist of the following:

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

B. Two completed learning projects with information listed on the Ceramic page.

C. Include at least three technique sheets for completed project. Technique sheet should have enough information included so the exhibitor or other persons would be able to make a project very similar by following the instructions. You should have a technique sheet with each piece you exhibit. The technique sheet should include:

1. A list of all tools and brushes used. Sizes should be included, if applicable.
2. A list of brand name, number and colors used.
3. A list of steps:
 - a. If the piece was bisque-fired before application of color and to what cone size or temperature.
 - b. How the color/colors were applied and number of coats. The cone size or temperature the color/colors were fired.
 - c. A list of other products used.

D. One piece or set showing techniques learned.

Class

1716. Ceramics – Unit 4 – Unfired Finishes – Junior

1717. Ceramics – Unit 4 – Unfired Finishes – Intermediate

1718. Ceramics – Unit 4 – Unfired Finishes – Senior

1719. Ceramics – Unit 4 – Bisque Option – Junior

1720. Ceramics – Unit 4 – Bisque Option – Intermediate

1721. Ceramics – Unit 4 – Bisque Option – Senior

Unit 5

Porcelain Dolls

(Includes china paint on polished bisque or glazed porcelain (china)

Soft-fired greenware is highly recommended for all doll projects)

Exhibit Requirements

All exhibits will consist of the following:

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

B. Include at least three technique sheets for completed project. A technique sheets should have enough information included so the exhibitor or other persons would be able to make a project very similar by following the instructions. You should have a technique sheet with each piece you exhibit. The technique sheet should include:

1. A list of all tools and brushes used. Sizes should be included, if applicable.
2. A list of brand name, number and colors used.
3. A list of steps;
 - a. If the piece was bisque-fired before application of color and to what cone size or temperature.
 - b. How the color/colors were applied and number of coats. The cone size or temperature the color/colors were fired.
 - c. A list of other products used.

C. One piece or set showing techniques learned.

Class

1722. Ceramics – Unit 5 – Porcelain Dolls – Junior

1723. Ceramics – Unit 5 – Porcelain Dolls – Intermediate

1724. Ceramics – Unit 5 – Porcelain Dolls – Senior

Unit 6

Hand-Constructed In Stoneware

Exhibit Requirements

All exhibits will consist of the following:

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

B. Include at least three technique sheets for completed project. Technique sheet should have enough information included so the exhibitor or other persons would be able to make a project very similar by following the instructions. You should have a technique sheet with each piece you exhibit. The technique sheet should include:

1. A list of all tools and brushes used. Sizes should be included, if applicable.
2. A list of brand name, number and colors used.
3. A list of steps;
 - a. If the piece was bisque-fired before application of color and to what cone size or temperature.
 - b. How the color/colors were applied and number of coats. The cone size or temperature the color/colors were fired.
 - c. A list of other products used.

C. One piece or set showing techniques learned.

Class

1725. Ceramics – Unit 6 – Hand Constructed – Junior

1726. Ceramics – Unit 6 – Hand Constructed – Intermediate

1727. Ceramics – Unit 6 – Hand Constructed – Senior

Global Citizenship

Superintendent – Amber Hersh

No Display Boards

Unit 1 Study of Another Country Exhibit Requirements

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 used 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 Requirements

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 Requirements

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 Requirements

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

Leadership

Superintendent – Amber Hersh

Unit 1

Individual Skills for Junior & Intermediate Members Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-record with the following additional information presented in a sturdy binder/notebook:
 - Complete at least one activity in the following sections of the manual and either place the pages or make copies of the pages and place in the e-record:
 - Understanding Self Communications
 - Getting Along with Others
 - Making Decisions
 - Plus, one of the exhibitor’s choice from the manual

B. A display board summarizing a skill area, activity, or leadership topic the member learned. 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

- 1901. Individual Skills – Unit 1 – Junior
- 1902. Individual Skills – Unit 1 – Intermediate

Unit 2

Leadership Road Trip Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-record with the following additional information presented in a sturdy binder/notebook:
 1. Complete all 12 activities in the **Leadership Road Trip Manual**, either include the manual or make copies of the pages and place in the e-record.
 2. Summaries or description of at least two Learning Experiences OR More Challenges from the Leadership Road Trip manual.

B. A display board summarizing a skill area, activity, or leadership topic the member learned. 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.

Or

A video summarizing a skill area, activity, or leadership topic the member learned. The video must be less than 10 minutes in length and **must provide a link to view the video.**

Class

- 1903. Leadership Road Trip – Unit 2 – Intermediate
- 1904. Leadership Road Trip – Unit 2 – Senior

Unit 3 Put Leadership to Practice Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-record with the following additional information presented in a sturdy binder/notebook:
 1. Complete all 10 activities and Talking Over Activities in the **Club Leadership 1 Manual**, either include the manual or make copies of the pages and place in the e-record.
 2. Summaries or description of at least two Learning Experiences OR More Challenges from the Club Leadership I manual.
 3. Summary or description of at least one individualized goal to benefit your leadership skills.

B. A display board summarizing a skill area, activity, or leadership topic the member learned. 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.

Or

A video summarizing a skill area, activity, or leadership topic the member learned. The video must be less than 10 minutes in length and **must provide a link to view the video.**

Class

- 1905. Put Leadership to Practice – Unit 3 – Intermediate
- 1906. Put Leadership to Practice – Unit 3 – Senior
(Club Leadership I Manual)

Unit 4 Refining Leadership Skills Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-record with the following additional information presented in a sturdy binder/notebook:
 1. Complete all 11 activities in the **Club Leadership II Manual**, either include the manual or make copies of the pages and place in the e-record.
 2. Summaries or description of at least two Learning Experiences OR More Challenges from the Club Leadership II manual.
 3. Summary or description of at least two individualized goals to benefit your leadership skills.

B. A display board summarizing a skill area, activity, or leadership topic the member learned. 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.

Or

A video summarizing a skill area, activity, or leadership topic the member learned. The video must be less than 10 minutes in length and **must provide a link to view the video.**

Class

- 1907. Refining Leadership Skills – Unit 4 – Senior
(Club Leadership Manual II)

Unit 5
Community Service
Exhibit Requirements

All exhibits will consist of the following:

A. Completed e-record with the following additional information presented in a sturdy binder/notebook:

1. Complete all 9 activities in the **My Hands for Larger Service Manual**, either include the manual or make copies of the pages and place in the e-record.

B. A display board summarizing completed community service 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.

Or

A video summarizing completed community service project. The video must be less than 10 minutes in length and **must provide a link to view the video.**

Class

1908. Community Service – Unit 5 – Senior
(My Hands for Larger Service Manual)

Leathercraft

Superintendent – Lana Wheeler

Project Exhibit Rules for All Units:

1. Indicate in e-record whether articles are made from kit or if self-cut and designed by the member.

2. 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.)

3. Advanced leathercraft members 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.

4. Unit 8 is now advanced creative stamping. It is recommended that 1st year Juniors take Unit 1 Introduction to Stamping before taking Unit 8.

5. 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 background.

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 Requirements

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 Requirements

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 Requirements

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, antiquing, 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 Requirements

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 Requirements

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

Note: All dyeing, shading, and antiquing are optional after Unit 5.

Unit 6 Pictorial Carving Exhibit Requirements

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 Requirements

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 Requirements

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 Requirements

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 Requirements

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

Photography

Superintendent – Jenny Broda

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.
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 _____
Activity # _____
(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: _____

Matting Photos Guidelines

Matting adds dimension to compliment and accent the photo. Matting will help focus attention on the photos and add visual interest along with balance to a layout.

Matting a photo means to put a border around it. Choose a color that brings out another color in the photo but is different than the background color. Light matte colors will help lighten a dark photo and a dark mat color will make the colors look deeper and richer.

For county and state fair display, please select a photo that is 5” x 7” in size that is one of the photo techniques you are using within your unit (read specific requirements for each unit). The maximum size for the matted photo will be 8” x 10”.

These photos will be hung for display. Please attach string or some type of hanging mechanism for the photo to hang. Please do not put the photo in a frame.

Please attach to the back of your photo the following information:

- Member Name
- Member County
- Subject
- Date Photo Taken
- Notes

Unit 1 Photography Basics – First Year Exhibit Requirements

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.)
- B. Completed Photo Journal/Binder. See Photography rule #8 for labeling instructions.
- C. Best Photo – 5” x 7” matted and ready to hang (no glass or frame).
- D. You will include the following photos (total of 27 photos) in your photo journal/binder. Photos may be mounted on cardstock with reference to activity.
 1. Activity 1 – 2 photos
 - a. 1 zoomed in and 1 zoomed out
 2. Activity 2 – 4 photos:
 - a. 2 landscape view – 1 photo not using a tripod and 1 photo using a tripod
 - b. 2 portrait view – 1 photo using a tripod and 1 photo not using a tripod
 3. Activity 3 – 6 photos:
 - a. 3 photos taken outdoors – 1 at noon, 1 at 4:00 p.m. and 1 at 8:00 p.m.
 - b. 3 photos taken indoors - 1 at noon, 1 at 4:00 p.m. and 1 at 8:00 p.m.

Note: The goal of this activity should be learning how to use light effectively to capture the subject using correct composition.
 4. Activity 4 – 3 photos:
 - a. 1 photo with an outdoor shadow
 - b. 1 human shadow pose
 - c. 1 large shadow of choice
 5. Activity 5 – 4 photos:
 - a. 4 photos using the same object of choice, captured with different directions of light; using flashlight or similar to create lighting.
 - i. Object with front lighting
 - ii. Object with side lighting
 - iii. Object with back lighting
 - iv. Object with top lighting
 6. Activity 6 – 2 photos:
 - a. Choose from options 1, 2, or 3 in the manual and post one photo with flash and one without.
 7. Activity 7 – 3 photos (can be same subject):
 - a. 1 landscape photo representing use of background
 - b. 1 landscape photo representing use of middle-ground
 - c. 1 landscape photo representing use of foreground

Note: each photo should have an obvious focal point using the above to create a photo that compliments your subject.

8. Activity 8 – 3 photos:
 - a. 1 photo of friend with long or body shot
 - b. 1 photo of friend with head shot
 - c. 1 photo of object with close upNote: These photos should demonstrate the correct use of zoom or moving closer or further to the subject to achieve the correct composition.

Class

2101.Unit 1 – Photography Basics – First Year – Junior
2102. Unit 1 – Photography Basics – First Year – Intermediate
2103. Unit 1 – Photography Basics – First Year – Senior

Unit 2 Photography Basics – Part 2 Exhibit Requirements

Exhibit will consist of the following:

A. Completed e-Record. Include the following in your story: what camera you used this year (brand name, 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.)

B. Completed Photo Journal/Binder. See Photography rule #8 for labeling instructions.

C. Best Photo – 5” x 7” matted and ready to hang (no glass or frame).

D. You will include the following photos (total of 25 – 27 photos) in your photo journal/binder. Photos may be mounted on cardstock with reference to activity.

1. Activity 9 – 4 photos
 - a. 1 photo with clutter (more than 3 items other than focal point)
 - b. 2 photos uncluttered – use same focal point for 2 pictures (i.e., focal point tree – clutter and uncluttered; focal point friend – cluttered and uncluttered)

Note: Both sets of photos should combine all composition elements learned in the First year of this unit with the overall goal of reducing clutter in the background of the photographs.

2. Activity 10 – 4 photos:
 - a. 4 photos of same subject – 1 taken from each position
 - i. On stomach – aiming at ground level
 - ii. On back – aiming up
 - iii. Leaning over – aiming down
 - iv. Sideways – aiming directly ahead
 - b. 2 portrait view – 1 photo using a tripod and 1 photo not using a tripod
3. Activity 11 – 4 photos:
 - a. Display 4 photos demonstrating your 4 favorite special effect techniques listing in the manual (choose from plant growing, balancing act, ceiling walking and “underwater”)
4. Activity 12 – 2 photos:
 - a. 1 selfie
 - b. 1 selfie with 3 or more people (including yourself)
5. Activity 13 – 6 photos
 - a. 2 action photos
 - b. 1 photo of a person
 - c. 1 photo of a place
 - d. 1 photo of a think/still-life
 - e. 1 photo of an animal

6. Activity 14 – 3 to 5 photos:
 - a. 3 to 5 photos displayed in order to tell a storyNote: Plan out your story with a story board and include this in your exhibit.

7. Activity 15 – 4 photos
 - a. 4 black and white photos, keeping in mind the rules of composition and lighting to produce creative photos

8. Activity 16 – 4 photos
 - a. Choose 4 photos taken during your entire time in Unit 1 (including the First and Second Year). These can be photos you have used for exhibit or photos that you took while experimenting with different photography techniques. Using the format of Photo Scorecard on page 79, evaluate your own photography (with labels and points) and include your evaluation with you exhibit.

Class

2104.Unit 2 – Photography Basics – Second Year – Junior
2105. Unit 2 – Photography Basics – Second Year – Intermediate
2106. Unit 2 – Photography Basics – Second Year – Senior

Unit 3 Next Level Photography Exhibit Requirements

Exhibit will consist of the following:

A. Completed e-Record. Include the following in your story: what camera you used this year (brand name, etc.), how do you store your pictures and why did you pick your Display Photo pictures. Include photos of you working on your project in the e-Record photo page.

B. See Photography rule #8 for labeling instructions.

C. Best Photo – 5” x 7” matted and ready to hang (no glass or frame).

D. You will include the following photos (total of 31 – 32 photos) in your photo journal/binder. Photos may be mounted on cardstock with reference to activity.

1. Activity 1 – 2 photos:
 - a. 2 photos using different lenses for each photo
2. Activity 2 – 2 photos:
 - a. 2 photos using (2) special effects from the suggestions on page 16, or special effect lenses.
3. Activity 3 – 4 photos
Note: 4 photos, each of a different subject. Choose from the following: landscape, buildings, monuments, people, still life, close ups for details
 - a. 2 photos demonstrating hard light
 - b. 2 photos demonstrating soft/diffused light
4. Activity 4 – 2 photos
 - a. Best reflection photos that have good composition
5. Activity 5 – 2 photos without using flash to convey mood:
 - a. 1 photo using artificial light
 - b. 1 photo using natural light
6. Activity 6 – 2 photos:
 - a. 1 photo demonstrating rule of thirds in landscape view
 - b. 1 photo demonstrating rule of thirds in portrait view
7. Activity 7 – 2 photos:
 - a. 1 photo demonstrating golden triangle using transparent template
 - b. 1 photo demonstrating golden rectangle using transparent template
8. Activity 8 – 3 photos:
 - a. 3 photos of different subjects shooting from different angles and viewpoints
9. Activity 9 – 2 photos:

- a. 2 photos using composition elements and space in the photo to tell the story
- 10. Activity 10 – 2 photos:
 - a. 2 candid photos
- 11. Activity 11 – 1 photo:
 - a. 1 photo that fills the entire frame of the photo with a piece of the subject
- 12. Activity 12 – 1 photo:
 - a. 1 panorama photo
- 13. Activity 13 – 2 photos:
 - a. 1 photo that shows warm colors
 - b. 1 photo that shows cool colors
- 14. Activity 14 – 4 photos:
 - a. Each photo should have a specific purpose behind it. Be sure to use the skills and techniques learned so far during your units to take quality photos for this activity

- a. 4 still life photos that demonstrate similar themes, similar colors, and different lighting
- 9. Activity 9 – 4 photos:
 - a. 4 photos with different poses
- 10. Activity 10 – 4 photos of different subjects using macrophotography:
 - a. 1 photo representing symmetry/asymmetry
 - b. 1 photo representing patten/texture
 - c. 1 photo representing shape/form
 - d. 1 photo representing visual rhythms
- 11. Activity 11 – 2 photos:
 - a. 2 action photos
- 12. Activity 12 – 2 photos:
 - a. 2 photos showing either astrophotography, underwater or infrared techniques
- 13. Activity 13:
 - a. Make a posterboard joiner

Class

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

Class

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

**Unit 4
Mastering Photography
Exhibit Requirements**

Exhibit will consist of the following:

- A. Completed e-Record. Include the following in your story: what camera you used this year (brand name, etc.), how do you store your pictures. Include photos of you working on your project in the e-Record photo page.
- B. See Photography rule #8 for labeling instructions.
- C. Favorite Photo – page 7 Mastering Photography Book 3
- D. Posterboard Photo Joiner (Activity 13 – This will be your exhibit item with your e-record, favorite matted photo and photo journal/binder which includes the photos from the following activities.
- E. You will include the following photos (total of 29 photos) in your photo journal/binder. Photos may be mounted on cardstock with reference to activity.
 - 1. Activity 1 – 2 photos:
 - a. 1 photo using 1/250 f8 of a bright scene
 - b. 1 photo using 1/250 f8 of a dark scene
 - 2. Activity 2 – 2 photos:
 - a. 1 photo using small f-stop
 - b. 1 photo using big f-stop
 - 3. Activity 3 – 2 photos:
 - a. 2 night photos using correct aperture
 - 4. Activity 4 – 1 photo:
 - a. 1 photo with the subject backlit with the main subject in the foreground
 - 5. Activity 5 – 3 photos:
 - a. Silhouette in nature
 - b. Silhouette taken indoors
 - c. A silhouette of your choice
 - 6. Activity 6 – 1 photo:
 - a. 1 photo using either geometric shapes or interesting framing
 - 7. Activity 7 – 2 photos:
 - a. 1 photo that represents harmony
 - b. 1 photo that represents discord
 - 8. Activity 8 – 4 photos:

**Unit 5
Low Light**

(Previously Lightning Photography)

Unit 5 Low Light 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.

Exhibit 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. Completed Photo Journal/Binder. See Photography rule #8 for labeling instructions.
- C. Three 5” x 7” photos mounted on a mat and suitable for hanging. 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, nighttime, fireworks, and moonlight, long exposure and high speed photos. For example: two lightning photos and one moonlight 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

- 2113. Unit 5 – Low Light Photography – Junior
- 2114. Unit 5 – Low Light Photography – Intermediate
- 2115. Unit 5 – Low Light Photography – 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 Requirements

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 in your Photo Journal/Binder. See 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. Photo Journal/Binder that 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

- 2116. Unit 6 – Advanced Photography – Junior
- 2117. Unit 6 – Advanced Photography – Intermediate
- 2118. Unit 6 – Advanced Photography – Senior

4-H Filmmaking

Superintendent – Jenny Broda

Exhibit Requirements

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 binder/notebook including storyboard.
- 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

If possible, please email this information with link to Cari Brown at brownca@co.larimer.co.us

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

Scrapbooking

Superintendent – Amber Hersh

Youth may exhibit in one or all classes that you choose.

Members who are exhibiting several classes may copy the e-record. Each exhibit (class) must have an e-record. Be sure to highlight what you are exhibiting in your e-record. **Story and pictures must be unit specific.**

Examples of techniques that can be used may include:

- Stickers or Die Cuts
- Tearing or cutting
- Double Photo Matting
- (2) Enlarged Photos (minimum size 5" x 7"); one must be black and white or sepia.
- Inking/Stamping/Coloring
- Create a border
- Fibers
- Buttons or beads
- Eyelets or brads
- Rub-ons or embossing
- Craft punchers
- Chipboard
- Dimensional Design (may use another technique to create dimensional design, such as die-cut and stamping. Does not count as two techniques.)
- Two-page layout coordinated and themed.
- Memorabilia (refer to manual)
- Trending techniques

Scrapbooking One Page Layout Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
1. All members will need to complete **Technique Reflection Page in Record Book** with designated number of techniques based on age. Be sure to explain what you learned, how you learned it, and if you included them in final project. Examples of techniques not used in final project are to be included in record book, either picture or actual technique.
 2. Required activities to include in record book: Junior: 1 or more, Intermediate: 2 or more; Senior: 3 or more.
- B. One page layout scrapbook page 8 ½" x 11" or 12" x 12".
1. Page shall contain techniques from your technique list that you have chosen to use in your project. Create a page that is pleasing to the eye, items are not cluttered, and colors are appropriate to subject matter.
 2. Must be exhibited in a three-ring binder or scrapbook binder. Only submit the one page to be judged.
- C. Journaling and titling must be included on the one page.

Class

2301. Scrapbooking One Page Layout – Junior
2302. Scrapbooking One page Layout – Intermediate
2303. Scrapbooking One Page Layout – Senior

Scrapbooking Two Page Layout Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
1. All members will need to complete **Technique Reflection Page in Record Book** with designated number of techniques based on age. Be sure to explain what you learned, how you learned it and if you included them in final project. Examples of techniques not used in final project are to be included in record book, either picture or actual technique.
 2. Required activities to include in record book: Junior: 1 or more, Intermediate: 2 or more; Senior: 3 or more.
- B. Designated Two page layout scrapbook page 8 ½" x 11" or 12" x 12". Formatted to go together in a set (a two-page spread) that is coordinated by color and design which follows a theme with good logical order.
1. Place two-page layout in appropriately sized binder in protective sleeve – Archival safe.
 2. Pages shall contain techniques from your technique list that you have chosen to use in your project. Create pages that is pleasing to the eye, items are not cluttered, and colors are appropriate to subject matter.
 3. Must be exhibited in a three-ring binder or scrapbook binder. Only submit the two pages to be judged.
- C. Journaling and titling must be included on the two page layout.

Class

2304. Scrapbooking Two Page Layout – Junior
2305. Scrapbooking Two page Layout – Intermediate
2306. Scrapbooking Two Page Layout – Senior

Scrapbooking Album Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
1. All members will need to complete **Scrapbook Album Technique Reflection Page in Record Book** with designated number of techniques based on age. Be sure to explain what you learned, how you learned it, and if you included them in final project. Examples of techniques not used in final project are to be included in record book, either picture or actual technique.
 2. Required activities to include in record book: Junior: 1 or more; Intermediate: 2 or more; Senior: 3 or more.
- B. Completed album must contain eight (8) pages, designed on both front and back, for a total of sixteen (16) pages for Seniors; a total of six (6) pages, designed on both front and back, for a total of (12) pages for Intermediates; and a total of four (4) pages designed on both front and back, for a total of eight (8) pages for Juniors.
1. Pages must be exhibited between a sturdy front and back cover with each page in a protective sleeve-archival safe. **If memorabilia are included, they should be encased in a protective sleeve and must include additional techniques to be part of the page count.** For example, if album contains fifteen pages of layouts and the sixteenth page is memorabilia **only with no technique**, the album is missing a page and can be disqualified.

2. Mark album pages to correspond with the technique reflection page.

- 3. Album shall follow a theme or be in chronological order.
- 4. All pages must include Journaling:
 - a. Correct spelling
 - b. Tell your story: who, what, when, where and why?
 - c. Title each page, or two-page layout.
 - d. Album must contain at least one handwritten journal entry, all others may be typed.
- 5. If adding pages to an album that has been judged only submit the pages done within the current 4-H year, do not include pages from past years. Document that this is an ongoing project (i.e., second edition "Seattle" album exhibit in 2016).

Class

2307. Scrapbook Album – Junior

2308. Scrapbook Album – Intermediate

2309. Scrapbook Album – Senior

**Scrapbooking – Tag Making
(Juniors Only)
Exhibit Requirements**

All exhibits will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
 - 1. All members will need to complete **Technique Reflection Page in Record Book with designated number of techniques based on age. Be sure to explain what you learned, how you learned it, and if you included them in final project. Examples of techniques not used in final project are to be included in record book, either picture or actual technique.**
 - 2. Required activities to include in record book: **Junior: 1 or more.**
- B. Set of 5 different hand-made tags following a theme with a maximum size of 3" x 5" per tag displayed on a 12" x 12" board.
 - 1. Tags shall contain techniques from your technique list that you have chosen to use in your project. Create tags that are pleasing to the eye, items are not cluttered, and colors are appropriate to subject matter.
 - 2. Tags should include a to/from or a greeting.
 - 3. Label tags on your board to correspond with **Technique Reflection Page.**
- C. No commercial based tags can be used.

Class

2310. Tag Making – Junior

**Scrapbooking – Card Making
(For Intermediate & Seniors Only)
Exhibit Requirements**

All exhibits will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
 - 1. All members will need to complete **Technique Reflection Page in Record Book with designated number of techniques based on age. Be sure to explain what you learned, how you learned it and if you included them in final project. Examples of techniques not used in final project are to be included in record book, either picture or actual technique.**
 - 2. Required activities to include in record book: **Intermediate: 2 or more; Senior: 3 or more.**
- B. Set of 4 different hand-made cards following a theme with a maximum size of 4" x 6" per card displayed on a 12" x 12" board.
 - 1. Cards shall contain techniques from your technique list that you have chosen to use in your project. Create cards that are pleasing to the eye, items are not cluttered, and colors are appropriate to subject matter.
 - 2. Label cards on your board to correspond with **Technique Reflection Page.**
- C. No commercial based cards can be used.

Class

2311. Card Making – Intermediate

2312. Card Making – Senior

Visual Arts

Superintendent – Amber Hersh

1. There is no limit for years of participation in a unit.
2. **Ready to Hang for pictures means – wire secured and heavy enough to hold the picture. NO TAPE.**

Unit 1 Portfolio Pathways Painting, Printing and Graphic Design Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
- B. Complete a minimum of two art techniques listed under the media of Painting, Printing or Graphic Design. Provide pictures of all completed art techniques on the Visual Arts e-Record. (Art techniques for painting: acrylics, watercolors, abstracts, sand painting, self-portrait, action painting, oil painting with impasto, scumbling and perspective and encaustic painting. See manual for printing and graphic-design techniques.)
- C. Explain in your 4-H e-Record story what you learned.
- D. Exhibit - display your best art design. Oil paintings and acrylic paintings should be no larger than 16” x 24” **canvas** and ready to hang. Watercolor paintings should use small matte and be framed with glass. The framed watercolor should not be larger than 16” x 24”.
- E. Graphic Design exhibit can be a logo or a self-portrait, a blog, advertisement, website, CD or DVD label, optical illusion, or a notebook of your graphic designs, etc.

Painting & Printing

- Class**
2501. Visual Arts – Painting & Printing – Junior
 2502. Visual Arts – Painting & Printing – Intermediate
 2503. Visual Arts – Painting & Printing – Senior

Graphic Design

- Class**
2504. Visual Arts – Graphic Design – Junior
 2505. Visual Arts – Graphic Design – Intermediate
 2506. Visual Arts – Graphic Design – Senior

Unit 2 Sketchbook Crossroads Drawing, Fiber, and Sculpture Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. Complete a minimum of two art techniques listed under the media of Drawing, Fiber and Sculpture. Provide pictures of all completed art techniques on the Specific Project Information page in the e-Record. (Art techniques for Drawing: continuous and contour, shading, perspective, paper choices, colored pencils, pen and ink, calligraphy, and cartooning.) See manual for fiber and sculpture techniques.
- C. Explain in your 4-H e-Record story what you learned.
- D. Exhibit - display your best art design or sculpture. Framed drawings shall be no larger than 16” x 24” including the frame and ready to hang. Fiber art should be framed and ready to hang and larger 16” x 24”.

Class

2507. Visual Arts – Sketchbook Crossroads – Junior
 2508. Visual Arts – Sketchbook Crossroads – Intermediate
 2509. Visual Arts – Sketchbook Crossroads – Senior

Self-Determined

Superintendent – Tracey Brien
(Not Eligible for State Fair)

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

4-H Consumer Family Science Division

(Static Projects)

Coordinating Superintendent – Kara Rudnick
Extension Contact – Katie Daywalker

General Rules

1. **Entries** - Prior entry is required in all departments. Entry will be made through FairEntry: <http://larimercountyfair.fairentry.com/>
Entry deadline 11:59 p.m. July 8.

Late Entries – Fair Entries received after 11:59 p.m. July 8 are subject to a \$25 late charge per class. No late entries will be taken after 11:59 p.m. on Sunday July 10 for exhibits.

2. All completed 4-H Consumer/Family Exhibits, except Fashion Revue, will be interview judged and entered at the Fairgrounds on August 2. Only the exhibitor will be allowed with the judge at the time of the interview, no parents, or leaders, please.

Interview Judging Procedures

A. Information will be sent to you with instructions for signing up for Interview Judging.

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, August 2, between 8:30 a.m. – 10:00 a.m. and picked up between 7:00 a.m. – 10:00 a.m. on Wednesday, August 10.**

3. Completed records must accompany all 4-H Consumer/Family 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 4-H Projects. Select your project from the list and find your e-record or you can obtain one from the Extension Office.

4. **Exhibits must be completed** by the individual in whose name they are entered and since Fair 2021.

5. **Entry labels will be available at check-in. Label will need to be attached to 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.

6. **Projects will be evaluated on the quality of information completed in the manual and e-record (25 percent) and quality of exhibit (75 percent).** The Danish system of judging will be used in the 4-H Consumer/Family Division. Exhibits will be placed in blue, red and white groups. Award money will be given in all 4-H Consumer/Family classes as follows:

Blue – \$3.00 Red – \$2.00 White – \$1.00

7. **All exhibits qualifying for State Fair must be checked in by exhibitors and/or parents in the Fort Collins Room during check-out time. Exception: Foods & Cake Decorating. Exhibits will be taken to State Fair on Wednesday, August 17. Exhibitors must check in with the Extension Agent during checkout time if they wish to take their project home to pack prior to State Fair. If an exhibitor does not check in with the Extension Agent, their opportunity to compete at the State Fair may be offered to next eligible member. Members with qualifying Foods & Cake Decorating exhibits will receive instructions for dropping off their exhibits on Tuesday, August 16th at The Ranch.**

8. **Exhibits must be removed between 7:00 a.m. and 10:00 a.m. on Wednesday, August 10.**

9. **No Exhibit** will be released prior to 7:00 a.m., on August 10. Superintendents and Extension Office are not responsible for exhibits after check out time. All articles must be checked out with the superintendent in charge. Items not picked up will be taken to the Extension Office in Fort Collins. They will be kept for two weeks and then discarded.

10. The decision of the judge will be final in all instances.

11. Members enrolled in more than one unit of the same project may exhibit in all units enrolled, except where otherwise indicated. An exhibit made for more than one project cannot be entered in more than one department or class. The exhibitor must make the choice.

12. **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

13. Ages for the Junior and Senior classes are as follows:

Junior – members ages 8 - 13, as of December 31, 2021.

Senior – members 14 and over, as of December 31, 2021.

When classes include Junior, Intermediate and Senior, class divisions are as follows:

Junior – ages 8 - 10, as of December 31, 2021.

Intermediate – ages 11 - 13, as of December 31, 2021.

Senior – ages 14 - 18, as of December 31, 2021.

14. Exhibitors must be enrolled in the unit of the project in which they are exhibiting and must follow exhibit requirements.

15. Projects not meeting the basic exhibit requirements will be lowered one ribbon.

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

17. Classes may be created by Extension Agent for emerging youth development programs under the auspices of the Larimer County Extension Office.

Fashion Revue

Superintendents – Jo Ann Belk & Hanna Copeland

Narration forms are required for Fashion Revue as well as entering Fashion Revue in FairEntry. These are due on or before July 8 to Jo Ann Belk at csuramfans@msn.com To access the narration form, go to <http://larimer.extension.colostate.edu/larimer-county-fair/> Entries received after July 8 are subject to a late charge of \$25.00/class.

Evaluation for Fashion Revue will be held **Wednesday, July 27**, beginning at **9:00 a.m.** at the **McKee 4-H Building, Loveland**. Information will be sent to participants in June. The Public Fashion Revue will be **Wednesday, July 27**, at the **McKee 4-H Building, Loveland** beginning at **7:00 p.m.** **Participants (except Cloverbuds) must participate in the evaluation portion during the day in order to participate in the Public Revue.** Entrants must participate in the Public Fashion Revue to receive award money and to be eligible for Grand Champion. **Final revisions to narrations will be accepted at the time of live judging. No changes will be accepted after judging.**

1. All Clothing (exception: Sewing for Others), Heritage Arts, Leathercraft and Western Heritage members are **encouraged** to participate in this Revue.
2. Participants must model wearable garments they have made for themselves, **or accessories in County only classes.**
3. **All garments and accessories modeled must be completed.**
4. An "outfit" shall consist of no more than three pieces.
5. Premiums will be given. A Champion and Reserve Champion will be chosen in each class, except where merit does not warrant such designation.
6. Cloverbuds will receive a participation ribbon. **Cloverbuds may wear any appropriate garment or accessory, the do not need to be hand made.**
7. Junior members will compete for the Junior Grand Champion Award. Intermediate members will compete for the Intermediate Grand Champion. Seniors will compete for the Senior Grand Champion Award.
8. **Accessories – This class is not eligible for State Fair, as it is not meant to be a garment. This is a county-level contest only. Examples of what can be entered into this class: shawl, scarf, hat, shoes, socks, hand bag, etc.**
9. Members must be enrolled in the unit(s) they model. Garments exhibited at the Fair must be the same as modeled in Fashion Revue.
10. **Buymanship open only to Intermediate and Senior members.**
11. **Three Senior Grand Champions** may be selected to represent Larimer County at the State Fashion Revue. Each contestant at the State Fashion Revue may model in only one category (for example, Clothing, Heritage Arts, and Leathercraft); so, three individuals may be selected. A Senior Reserve Grand Champion may be selected as a runner-up in the event one of the Grand Champions can't attend State Fair.

12. **Classes may be split or combined, as necessary.**

Beginning Clothing

Class

- 110.** Beginning Clothing STEAM 1 – Junior
Wearable garment using the skills learned in STEAM Clothing 1. Exhibits must use a firmly-woven, medium-weight cotton or at least 50-percent cotton-blend fabric. Exhibit should be a simple pattern with **five pattern pieces** without set-in sleeves, zippers, collars, and no button holes.
- 120.** Beginning Clothing STEAM 1 – Intermediate
Exhibit requirement same as for Junior class.
- 130.** Beginning Clothing STEAM 1 – Senior
Exhibit requirement same as for Junior class.
- 140.** Clothing STEAM 2 – Junior
Wearable garment using the skills learned in STEAM Clothing 2. Exhibits may use any woven or knit fabric appropriate to the garment's design and should demonstrate sewing skills beyond STEAM Clothing 1. The exhibit should include one or more of the following techniques: set-in sleeves, zippers, collars, and button holes.
- 150.** Clothing STEAM 2 – Intermediate
Exhibit requirements same as for Junior class.
- 160.** Clothing STEAM 2 – Senior
Exhibit requirement same as for Junior class.

Advanced Clothing

Wearable garments should demonstrate skills beyond STEAM Clothing 2, for example: rolled hems, invisible zippers, tailoring techniques, etc.

- 170.** Advanced Clothing STEAM 3 – Intermediate
Sports Wear
- 180.** Advanced Clothing STEAM 3 – Senior
Sports Wear
- 190.** Advanced Clothing STEAM 3 – Intermediate
Daytime Wear or Casual Wear: could include dress, vest, pants, etc., appropriate for school, going to the movies, etc.
- 200.** Advanced Clothing STEAM 3 – Senior
Daytime Wear or Casual Wear: could include dress, vest, pants, etc., appropriate for school, going to the movies, etc.
- 210.** Advanced Clothing STEAM 3 – Intermediate
Business Wear: could include skirts, jumpers, vests, dresses, non-tailored suits, clothing for work, church, banquets, etc.
- 220.** Advanced Clothing STEAM 3 – Senior
Business Wear: could include skirts, jumpers, vests, dresses, non-tailored suits, clothing for work, church, banquets, etc.
- 230.** Advanced Clothing STEAM 3 – Intermediate
Dressy Dress or Formal Wear
- 240.** Advanced Clothing STEAM 3 – Senior
Dressy Dress or Formal Wear
- 250.** Advanced Clothing STEAM 3 – Intermediate
Non-Tailored Outerwear could include coats, or even ski pants
- 260.** Advanced Clothing STEAM 3 – Senior
Non-Tailored Outerwear could include coats, or even ski pants

Creative Sewing

270. Creative Sewing – Junior
Must be a wearable garment
280. Creative Sewing – Intermediate
Must be a wearable garment
290. Creative Sewing – Senior
Must be a wearable garment
300. Create Your Own 1 – Intermediate
Must be a wearable garment
310. Create Your Own 1 – Senior
Must be a wearable garment

Recycled Clothing

320. Recycled Clothing – Junior
Must be a wearable garment
330. Recycled Clothing – Intermediate
Must be a wearable garment
340. Recycled Clothing – Senior
Must be a wearable garment

Upcycle Your Style

350. Upcycle Your Style – Junior
A coordinated outfit
360. Upcycle Your Style – Intermediate
A coordinated outfit
370. Upcycle Your Style – Senior
A coordinated outfit

Heritage Arts

380. Heritage Arts – All Categories – Junior
Wearable garment
390. Heritage Arts – All Categories – Intermediate
Wearable garment
400. Heritage Arts – All Categories – Senior
Wearable garment

Leathercraft

410. Leathercraft - Unit 10 – Junior
Must be wearable garment
420. Leathercraft – Unit 10 – Intermediate
Must be wearable garment
430. Leathercraft - Unit 10 – Senior
Must be a wearable garment

Buymanship

440. Buymanship – Unit 8 – Intermediate
Wearable garment
450. Buymanship – Unit 8 – Senior
Wearable garment

Accessories

County Only Class

460. Accessories – Junior
Shawl, scarf, hat, Shoes, Socks, hand bag, etc.
470. Accessories – Intermediate
Shawl, scarf, hat, Shoes, Socks, hand bag, etc.
480. Accessories – Senior
Shawl, scarf, hat, Shoes, Socks, hand bag, etc.

Judging Guide for Fashion Revue

- I. **Preparation:** Design and style, choice of fabric and color, overall appearance of garment, accessories, grooming.
- II. **Presentation:** Appropriate for garment style; movement: walking, standing and turns; poise/posture; variety of movement, use of space and creativity; attitude and enthusiasm.

Clothing

Co-Superintendents - Nanna Bryce Jones & Hilary Bacher

1. With these sewing manuals, a member may stay in the manuals until they have mastered the techniques. Unit 1 – STEAM Clothing 1 (Beginning) is for beginner sewers, those with little to no experience. Unit 2 – STEAM Clothing 2 is for sewers that are familiar with the basic techniques and ready to learn more advanced skills. Unit 3 – STEAM Clothing 3 is for the advanced sewer who wants to learn more about tailoring and advanced skills. STEAM Clothing 3 is for Intermediates and Seniors.
2. Requirement: All exhibit garments must be labeled with name, age, county, and unit of the 4-H member. Labels must be attached at the inside of the neckline or at the waistband of skirts and pants. Information must be written or typed on a label and securely attached to inside of garment. This will assist in case of property loss.
3. The garments may be worn before exhibiting but should be in good and clean condition. Please use wire hangers
4. Sergers may be used as a seam finish, only; not as a seam for STEAM Clothing 1.
 5. Clothing is defined as wearable, dressy or casual wear, active/sportswear, or sleepwear. An exhibit shall consist of no more than three coordinated pieces. No accessory items, i.e., shoes, scarves, hats, etc.
6. **Advanced STEAM Clothing Unit 3 - complete one textile experiment using your garment fashion fabric each year.** Include this information in your e-Record: completed experiment sheets and sample(s) mounted (on 8 ½” x 11” heavy paper). **No photos of experiment are allowed. Fabric must be attached.** Experiments may be repeated in a subsequent year as long as different fabric is used.
7. Pattern instruction sheet is required and must be attached securely to the e-Record. **Write name and county on pattern instruction sheet.**
8. Members are encouraged to select a unit that challenges their skills. **Due to difficulty of skills involved, buttonholes and button loops are to be used in STEAM Clothing 2 and above.** All units will be judged on required skills included in the manual. **Exhibits that exceed project skill, number or size requirements will not be considered for Champion or Reserve Champion.**
9. Awards will be given for outstanding Junior, Intermediate and Senior records. Juniors may use pencil. Story should include information on changes made in pattern, alterations, problems, etc. **Do not use record book covers that are clear plastic with sliders.**
10. All garments in clothing construction must be made for the member with the exception of Unit 4 – Sewing for Others.
11. All 4-H Clothing exhibits must be checked in on August 2, at the time scheduled for interview judging.
12. **For members exhibiting more than one item, they may copy their e-Record. Each exhibit must have an e-Record. Be sure to highlight what you are exhibiting in your e-Record.**

Unit 1 STEAM Clothing 1 (Beginning) Exhibit Requirements

All exhibits will consist of the following:

- A. Completed Clothing Construction e-Record with **pattern instruction sheet** presented in a sturdy binder/notebook. Include in your story why you chose a clothing project, why you selected this garment or outfit and describe any changes made in the garment or outfit.
- B. Provide the brand, number and cost of the pattern used in the Clothing Construction e-Record on the Expense page.
- C. Include the following information on the Clothing Construction page:
 1. A list of all the garments or articles made
 2. Percent of fiber content of each garment or article made
 3. Care of garment exhibited
- D. Include the cost of each garment in the Expense record of the Clothing Construction e-Record.
- E. **Pillowcase illustrating the skills learned such as: simple seams, seam finishes, matching, suitable fabric/thread, cuff and even lip, etc.**

Class

2801. Pillowcase – Junior

Unit 1 STEAM Clothing 1 (Beginning) Exhibit Requirements

All exhibits will consist of the following:

- A. Completed Clothing Construction e-Record with **pattern instruction sheet** presented in a sturdy binder/notebook. Include in your story why you chose a clothing project, why you selected this garment or outfit and describe any changes made in the garment or outfit.
- B. Provide the brand, number and cost of the pattern used in the Clothing Construction e-Record on the Expense page.
- C. Include the following information on the Clothing Construction page:
 1. A list of all the garments or articles made
 2. Percent of fiber content of each garment or article made
 3. Care of garment exhibited
- D. Include the cost of each garment in the Expense record of the Clothing Construction e-Record.
- E. **Simple Pillow – no larger than 18” x 18” illustrating skills learned such as: simple seams, seam finishes, suitable fabric/thread, matching, trimmed corners, finished closure (lap or secured), etc.**

Class

2802. Simple Pillow – Junior

Unit 1 STEAM Clothing 1 (Beginning) Exhibit Requirements

All exhibits will consist of the following:

A. Completed Clothing Construction e-Record with **pattern instruction sheet** presented in a sturdy binder/notebook. Include in your story why you chose a clothing project, why you selected this garment or outfit and describe any changes made in the garment or outfit.

B. Provide the brand, number and cost of the pattern used in the Clothing Construction e-Record on the Expense page.

C. Include the following information on the Clothing Construction page:

1. A list of all the garments or articles made
2. Percent of fiber content of each garment or article made
3. Care of garment exhibited

D. Include the cost of each garment in the Expense record of the Clothing Construction e-Record.

E. **An exhibit illustrating the skills learned such as: simple seams, seam finishes, topstitching, darts, facing/interfacing, hems, fasteners, etc.** Exhibits must use a firmly-woven, medium-weight cotton or at least 50-percent cotton-blend fabric. Exhibit should be a simple pattern with no more than five pattern pieces without set-in sleeves, zippers, collars, and not button holes.

F. Members can exhibit in one or more of the following classes:

Simple Top

Class	
2803.	Simple Top – Junior
2804.	Simple Top – Intermediate
2805.	Simple Top – Senior

Simple Bottom

(Simple Bottom – pants, pajama bottoms, shorts, skirts)

Class	
2806.	Simple Bottom – Junior
2807.	Simple Bottom – Intermediate
2808.	Simple Bottom – Senior

Simple Dress

Class	
2809.	Simple Dress – Junior
2810.	Simple Dress – Intermediate
2811.	Simple Dress – Senior

Unit 2 STEAM Clothing 2 Exhibit Requirements

All exhibits will consist of the following:

A. Completed Clothing Construction e-Record with **pattern instruction sheet** presented in a sturdy binder/notebook. Include in your story why you chose a clothing project, why you selected this garment or outfit and describe any changes made in the garment or outfit.

B. Provide the brand, number and cost of the pattern used in the Clothing Construction e-Record on the Expense page.

C. Include the following information on the Clothing Construction page:

1. A list of all the garments or articles made
2. Percent of fiber content of each garment or article made
3. Care of garment exhibited

D. Include the cost of each garment in the Expense record of the Clothing Construction e-Record.

E. **An exhibit illustrating the skills learned such as: set-in sleeves, zippers, collars, cuffs, button holes, etc.** Exhibits may use any woven or knit fabric appropriate to the garment’s design and should demonstrate sewing skills beyond STEAM Clothing 1. The exhibit **MUST INCLUDE** one or more of the following techniques: set-in sleeves, zippers, collars, cuffs, or button holes.

F. Members can exhibit in one or more of the following classes:

Top

Class	
2812.	Top (vest acceptable) – Junior
2813.	Top (vest acceptable) – Intermediate
2814.	Top (vest acceptable) – Senior

Bottoms

Class	
2815.	Bottom (pants or shorts) – Junior
2816.	Bottom (pants or shorts) – Intermediate
2817.	Bottom (pants or shorts) – Senior

Skirt

Class	
2818.	Skirt – Junior
2819.	Skirt – Intermediate
2820.	Skirt – Senior

Dress

Class	
2821.	Dress (not formal wear) – Junior
2822.	Dress (not formal wear) – Intermediate
2823.	Dress (not formal wear) – Senior

Romper or Jumpsuit

Class	
2824.	Romper or Jumpsuit – Junior
2825.	Romper or Jumpsuit – Intermediate
2826.	Romper or Jumpsuit – Senior

Two-Piece Outfit

Class	
2827.	Two-Piece Outfit – Junior
2828.	Two-Piece Outfit – Intermediate
2829.	Two-Piece Outfit – Senior

Advanced Clothing Construction

Garments should demonstrate sewing skills beyond STEAM Clothing 2, for example: rolled hems, hand-picked zippers, princess seams, flat felled or mock flat felled seam finishes, invisible zippers, tailoring techniques (French or Hong Kong seam finishes, non-woven interfacing, bound buttonholes, shoulder pads, sleeve heads, lining and or underlining, welt pockets, swing tacks, etc.

Unit 3 STEAM Clothing 3 Exhibit Requirements

All exhibits will consist of the following:

A. **Completed** Clothing Construction e-Record with **pattern instruction sheet** presented in a sturdy binder/notebook. Include in your story, why you chose a clothing project, why you selected this garment or outfit and describe any changes made in the garment or outfit.

B. Provide the brand, number and cost of the pattern used in the Clothing Construction e-Record on the Expense page.

C. Include the following information on the Clothing Construction page:

1. List of all garments made
2. Percent of fiber content of each garment
3. Care of garment exhibited
4. **Textile experiments – complete one experiment using garment fashion fabric (fashion fabric must be attached – no photos). Include experiment sheet and mount the sample on 8 ½” x 11” heavy paper in the e-Record.**

D. Include the cost of each garment in the Expense record of the Clothing Construction e-Record.

E. A garment or outfit of fabric containing a majority of 50-100-percent cotton or synthetics/rayon or wool or wool-blend, silk, or silk-like fibers. Specialty fabrics are fabrics using sequins, beads, fleece, leather, linen, etc.

Class

2836.	.....Cotton or Cotton Blend – Intermediate
2837.	..... Cotton or Cotton Blend – Senior
2838.	.....Synthetics and Rayon – Intermediate
2839.	.....Synthetics and Rayon – Senior
2840.	..... Wool or Wool Blends – Intermediate
2841.	..... Wool or Wool Blends – Senior
2842.	..... Silk or Silk-Like – Intermediate
2843.	..... Silk or Silk-Like – Senior
2844.	.....Specialty Fabrics – Intermediate
2845.	..... Specialty Fabrics – Senior

Unit 4 Sewing for Others Exhibit Requirements

All exhibits will consist of the following:

A. Completed Clothing Construction e-Record with **pattern instruction sheet** presented in a sturdy binder/notebook. Include in the project: story:

1. Why you chose to exhibit this item
2. Who you made the garment(s) for
3. What new skills you learned this year
4. What you liked best about your project
5. What would you like to change?
6. What you learned about sewing for others (Did you have any special pattern alterations? If so, describe.)
7. Will you continue to sew for others, why or why not?
8. Did you charge for making the garment/outfit (if so, what you included in the billing, i.e., fabric notions, interfacing, utilities, time, mileage, etc.)?
9. What other work have you done in this project?

B. Include the following information on the Clothing Construction page:

1. A list of all the garments or articles made
2. Percent of fiber content of each garment or article made
3. Care of garment exhibited

C. One garment or outfit which illustrates what was learned.

Class

2830.	..... Sewing for Others – Junior
2831.	..... Sewing for Others – Intermediate
2832.	.....Sewing for Others – Senior

Artistic Clothing

1. Exhibit Requirements For All Upcycle Your Style Classes

Include:

A. Requirement: All exhibit garments must be labeled with name, age, county, and unit of the 4-H member. Labels must be attached at the inside of the neckline or at the waistband of skirts and pants. Information must be written on a label and securely attached to garment or article. This will assist in case of property loss.

B. Garments may be worn before exhibiting but should be in good, clean condition.

C. An exhibit shall consist of no more than three coordinated pieces. (No accessory items, i.e., shoes, jewelry, hats, etc.) **All clothing pieces must be securely attached together on hangers.**

D. Do not use record book covers that are clear plastic with sliders.

E. Members are encouraged to select a unit that challenges their skills. All units will be judged on required skills included in the manual.

F. Upcycle Your Style exhibits for State Fair – one per class will be selected to represent Larimer County.

Upcycle Your Style – Applied Exhibit Requirements

All exhibits will consist of the following:

A. Completed Artistic Clothing e-Record presented in a sturdy binder/notebook. Include in the project story where you got the idea for your project, what you liked best about the project, what you would change, how to clean your project, how the item will be used and if you recycled or reused any fabric or other materials for your project. If a pattern was used, please include the pattern instruction sheet.

B. Include the following information on the Artistic Clothing page:

1. A list of all garments made
2. A description of the steps in order of application (including product name and numbers, etc.) for your exhibit item

C. Up to three coordinated wearable garments (no accessory items, i.e., shoes, jewelry, etc.). Decoration is attached by gluing, fusing, or painting. Examples: jewels, puff paints, appliqués, tie-dye.

Class

2901. Applied – Junior

2902. Applied – Intermediate

2903. Applied – Senior

Upcycle Your Style – Stitched Exhibit Requirements

All exhibits will consist of the following:

A. Completed Artistic Clothing e-Record presented in a sturdy binder/notebook. Include in the project story where you got the idea for your project, what you liked best about the project, what you would change, how to clean your project, how the item will be used and if you recycled or reused any fabric or other materials for your project. If a pattern was used, please include the pattern instruction sheet.

B. Include the following information on the Artistic Clothing page:

1. A list of all garments made
2. A description of the steps in order of application (including product name and numbers, etc.) for your exhibit item

C. Up to three coordinated wearable garments (no accessory items, i.e., shoes, jewelry, etc.). Decoration may be hand or machine-stitched. Examples: **machine or hand sewing, such as adding a collar or skirt**, appliqué- satin stitch, embroidery, quilting, beading, or knitting or crochet (by self or others).

Class

2904. Stitched – Junior

2905. Stitched – Intermediate

2906. Stitched – Senior

Upcycle Your Style – Combination Exhibit Requirements

All exhibits will consist of the following:

A. Completed Artistic Clothing e-Record presented in a sturdy binder/notebook. Include in the project story where you got the idea for your project, what you liked best about the project, what you would change, how to clean your project, how the item will be used and if you recycled or reused any fabric or other materials for your project. If a pattern was used, please include the pattern instruction sheet.

B. Include the following information on the Artistic Clothing page:

1. A list of all garments made
2. A description of the steps in order of application (including product name and numbers, etc.) for your exhibit item

C. Up to three coordinated wearable garments (no accessory items, i.e., shoes, jewelry, etc.). Decoration includes a significant amount (minimum of 30 percent each) from the two categories on one garment.

Class

2907. Combination – Junior

2908. Combination – Intermediate

2909. Combination – Senior

Unit 4 Recycled Clothing Exhibit Requirements

All exhibits will consist of the following:

A. Completed Clothing Construction e-Record with **pattern instruction sheet** presented in a sturdy binder/notebook. Include in your story what you learned about recycling, the fiber content and/or care label of original item, any special problems and how you overcame them.

B. Include the following information on the Clothing Construction page:

1. A list of all the garments or articles made
2. Percent of fiber content of each garment or article made
3. Care of garment exhibited

C. Include the cost of each garment in the Expense record of the Clothing Construction e-Record.

D. One garment or outfit which illustrates what was learned.

Garment must be of fabric and be sewn.

Class	
2910.	Recycled Clothing – Junior
2911.	Recycled Clothing – Intermediate
2912.	Recycled Clothing – Senior

Unit 5
Creative Sewing
Exhibit Requirements

All exhibits will consist of the following:

A. Completed Artistic Clothing e-Record with a description of what was done presented in a sturdy binder. Include in the project story where you got the idea for your project, what you liked best about the project, what you would like to change, how the item will be used and if you recycled or reused any fabric or other materials for your project. If a pattern was used, please include the pattern instruction sheet.

B. Include the following information on the Artistic Clothing page:

1. A list of all garments made
2. A description of the steps in order of application (including product name and numbers, etc.) for your exhibit item

C. One to three coordinated items illustrating what was learned (costumes, puppets, accessories, toys, stuffed animals, book bags, sleeping bags, etc.).

D. Project will be evaluated on creativity used in making your exhibit (45 percent), the quality of construction (30 percent), and completed e-record (25 percent).

Note: Small items such as accessories and small doll clothes are to be displayed on a display board.

Class	
2913.	Costumes – Junior
2914.	Costumes – Intermediate
2915.	Costumes – Senior
2916.	All Other Exhibits – Junior
2917.	All Other Exhibits – Intermediate
2918.	All Other Exhibits – Senior

Unit 6
Buymanship
Exhibit Requirements

All exhibits will consist of the following:

A. Completed Buymanship Clothing e-Record completed manual presented in a sturdy binder/notebook. Include in the project story where you got the idea for your project, what you liked best about the project, and what you would like to change.

B. Two (2) activities are to be included in your e-Record. Choose from the following:

- Self-assessment (Getting to Know Myself)
- Wardrobe Inventory
- Clothing Plan of Action
- Selecting Becoming Colors

C. One completed outfit, including belts and scarves. No other accessories allowed. The exhibit needs to be neat, clean, and pressed: ready for display.

Class	
2919.	Buymanship – Intermediate
2920.	Buymanship – Senior

Unit 7
Create Your Own
Exploration of Textiles & Clothing
Exhibit Requirements

All exhibits will consist of the following:

A. Completed Artistic Clothing e-Record that includes a special study with a written report presented in a sturdy binder/notebook. Include in the project story, where you got the idea for your project, what you liked best about the project, what you would like to change, how the item will be used.

B. Include the following information on the Artistic Clothing page:

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

C. Optional: Constructed article/display related to special study. The standardized display board size of 4'x3' is to be used. No additional items may be included on or in front of display board.

D. Project will be evaluated on the quality of content from completed e-record and written description (50 percent), quality of construction for the item or quality of display board (50 percent).

Class	
2921.	Create Your Own – Intermediate
2922.	Create Your Own – Senior

Cloverbuds

Prior entry not required.

1. Each exhibitor may enter one item or poster/display board **or** be included with a club item or poster/display board, showing a Cloverbud learning experience.
2. Exhibits must comply with CSU Cloverbud policy and **may not** include contact with large or small animal activities, rocketry or shooting sports activities. Exhibits illustrating violation of the policy **will not** be accepted.
3. A standard size poster or display board which is 4' x 3' may be used.
4. Items must be no larger than the child can carry by themselves.
5. Exhibits will be entered at the McKee 4-H Building on August 2 between 10:00 a.m. and 4:00 p.m. They will be checked out August 10, between 7:00 a.m. and 10:00 a.m. Exhibits may be entered and/or checked out by someone other than the member.
6. Cloverbud members have an opportunity to share their project with a junior assistant between 10:30 a.m. and 4 p.m. on August 2, if they desire. **Cloverbuds are encouraged to bring their record books to review and share if they worked on it this year.**
7. Exhibitors will receive a participation ribbon.
8. Exhibits must be labeled with name of the exhibitor.
9. Cloverbuds may not enter exhibits that require watering or any other care.
10. Pre-entry is not required for Cloverbud members only.

Heritage Arts

Superintendent – Caree Rinebarger

All exhibits are limited to those which use fibers or fabrics, except for Miscellaneous Heritage Arts Non-Fiber.

1. Articles may be worn or used before exhibiting but should be clean and in good condition when exhibited.
2. All exhibits must have the name, age county of the 4-H member attached. Information must be written on cloth and attached to each garment/piece. **Note:** Small (less than 6" x 6") or delicate items should be mounted on an 8" x 10" foamcore board.
3. All exhibits using patterns must have the pattern or a clear copy securely attached to the record.
4. Members are encouraged to select a project that challenges their skills. There are no specific requirements for exhibit items. **Quilts do have size requirements.**
5. It is to the member's advantage to include in the record, a band from the skein of any commercial yarn or thread used in the project.
6. A Grand and Reserve Grand Champion may be selected in each area (crochet, miscellaneous fiber arts, miscellaneous non-fiber arts, knitting, quilting) if exhibits deemed worthy.
7. All workmanship in Heritage Arts projects must be done by the member. All piecing and quilting must be done by the member.
8. Silk Items - Please include a signed permission to display form, which acknowledges possible fading caused by county fair display lighting.
9. Miscellaneous Fiber Arts classes include Needle Arts, Spinning, Weaving, Ethnic Arts, Rug Making and Macramé.

Crochet Exhibit Requirements

All exhibits will consist of the following:

- A. Completed Heritage Arts e-Record presented in a sturdy binder/notebook.
- B. Include the following information on the Heritage Arts page.
 1. Brief History report about the specific craft you selected:
 - a. Where did it begin?
 - b. How did it start?
 - c. Why was it started?
 2. List references used:
 - a. Juniors (8 - 10) one or two references
 - b. Intermediates (11 - 13) two or three references
 - c. Seniors (14 and older) three or more references
 3. Include the gauge used on your item
 4. If a pattern was used, secure a copy of the pattern to the e-Record.
- C. One piece or set of up to three coordinated pieces illustrating skills learned.

Class

3201. Crochet – Junior
3202. Crochet – Intermediate
3203. Crochet – Senior

Miscellaneous Heritage Arts – Fiber Exhibit Requirements

All exhibits will consist of the following:

- A. Completed Heritage Arts e-Record presented in a sturdy binder/notebook.
- B. Include the following information on the Heritage Arts page.
 1. Brief History report about the specific craft you selected:
 - a. Where did it begin?
 - b. How did it start?
 - c. Why was it started?
 2. List references used:
 - a. Juniors (8-10) one or two references
 - b. Intermediates (11-13) two or three references
 - c. Seniors (14 and older) three or more references
 3. If a pattern was used, secure a copy of the pattern to the e-Record.
- C. One piece or a set of up to three coordinated pieces, comprised of a minimum of 50 percent yarn/fabric illustrating skills learned. Can be ethnic-specific to a culture, country, or region. **(Example: Needle Arts, Weaving, Spun skeins, Felted bags, Batiked fabric, hooked pillows, Navaho rugs, Macramé)**

Class

3204. Miscellaneous Fiber Arts – Junior
3205. Miscellaneous Fiber Arts – Intermediate
3206. Miscellaneous Fiber Arts – Senior

Miscellaneous Heritage Arts – Non-Fiber Exhibit Requirements

All exhibits will consist of the following:

- A. Completed Heritage Arts e-Record presented in a sturdy binder/notebook.
- B. Include the following information on the Heritage Arts page.
 1. Brief History report about the specific craft you selected:
 - a. Where did it begin?
 - b. How did it start?
 - c. Why was it started?
 2. List references used:
 - a. Juniors (8-10) one or two references
 - b. Intermediates (11-13) two or three references
 - c. Seniors (14 and older) three or more references
 3. If a pattern was used, secure a copy of the pattern to the e-Record.
- C. One piece or a set of up to three coordinated pieces, no yarn or fabric illustrating skills learned. Can be ethnic-specific to a culture, country, or region. **(Example: Native American beading, silver smithing, Ukrainian eggs, paper scrolling, wood carving, etc.)**

Class

3207. Miscellaneous Non-Fiber Arts – Junior
3208. Miscellaneous Non-Fiber Arts – Intermediate
3209. Miscellaneous Non-Fiber Arts – Senior

Knitting Exhibit Requirements

All exhibits will consist of the following:

- A. Completed Heritage Arts e-Record presented in a sturdy binder/notebook.
- B. Include the following information on the Heritage Arts page.
 - 1. Brief History report about the specific craft you selected:
 - a. Where did it begin?
 - b. How did it start?
 - c. Why was it started?
 - 2. List references used:
 - a. Juniors (8-10) one or two references
 - b. Intermediates (11-13) two or three references
 - c. Seniors (14 and older) three or more references
 - 3. Include the gauge used on your item.
 - 4. If a pattern was used, secure a copy of the pattern to the e-Record.
- C. One piece or a set of up to three coordinated pieces illustrating what was learned.

Class

- 3210. Knitting – Junior
- 3211. Knitting – Intermediate
- 3212. Knitting – Senior

Quilting Unit 1 Exhibit Requirements

All exhibits will consist of the following:

- A. Completed Heritage Arts e-Record presented in a sturdy binder/notebook.
- B. Include the following information on the Heritage Arts page.
 - 1. Brief History report about the specific craft you selected:
 - a. Where did it begin?
 - b. How did it start?
 - c. Why was it started?
 - d. Historical information of your specific quilt block if applicable.
 - 2. List references used:
 - a. Juniors (8-10) one or two references
 - b. Intermediates (11-13) two or three references
 - c. Seniors (14 and older) three or more references
 - 3. Include the stitches per inch on your item
 - 4. If a pattern was used, secure a copy of the pattern to the e-Record.
- C. One finished item illustrating what was learned. Items should include **one** of the following:
 - 1. Simple pieced quilt (**lap size or smaller**)
 - 2. **Pillow**
 - 3. Pillow sham
 - 4. Two placemats or a table runner
- D. Exhibited items must be quilted - hand, machined or tied.
- E. No separate binding should be used. Items should be finished using a roll-over/self-binding or an envelope turn.
- F. **Consistent use of ¼” seams required in all units.**

G. Two or more of the following required techniques are allowed:

- 1. “Sandwiching” – layering quilt top, batting and backing.
- 2. Cutting of precuts and/or stitched pieces, using rules and rotary cutter.
- 3. Strait block pattern
- 4. “Nesting” seams
- 5. Use of sashing
- 6. Modification of original pattern (size, border, etc.)

H. The exhibit should not use advanced quilting techniques used in Units 3, 4, and 5.

I. Fabric Selection allowed:

- a. Yardage
- b. Pre-printed panel
- c. Pre-cuts

Class

- 3213. Quilting – Unit 1 – Junior
- 3214. Quilting – Unit 1 – Intermediate

Unit 2 Exhibit Requirements

All exhibits will consist of the following:

- A. Completed Heritage Arts e-Record presented in a sturdy binder/notebook.
- B. Include the following information on the Heritage Arts page.
 - 1. Brief History report about the specific craft you selected:
 - a. Where did it begin?
 - b. How did it start?
 - c. Why was it started?
 - d. Historical information of your specific quilt block if applicable.
 - 2. List references used:
 - a. Juniors (8-10) one or two references
 - b. Intermediates (11-13) two or three references
 - c. Seniors (14 and older) three or more references
 - 3. Include the stitches per inch on your item.
 - 4. Include the skills (at least three) that you learned and used on your quilt.
 - 5. If a pattern is used, secure a copy of the pattern to the e-Record.
- C. One finished item illustrating what was learned. Items should include **one** of the following:
 - 1. **Quilt 36” x 36” or larger**
 - 2. **Table runner**
 - 3. **Wall hanging**
- D. Exhibit items must be quilted - hand, machine or tied, **rag quilt**.
- E. **A separate binding should be used.**
- F. **Two or more of the following required techniques are allowed:**
 - 1. “Sandwiching” – layering quilt top, batting and backing.
 - 2. Cutting of precuts and/or stitched pieces, using rules and rotary cutter.
 - 3. Strait block pattern
 - 4. “Nesting” seams
 - 5. Use of sashing
 - 6. Mitered corners

G. The exhibit should not use advanced quilting techniques used in Units 3, 4, and 5.

H. Fabric Selection allowed:

- a. Yardage
- b. Pre-printed panel
- c. Pre-cuts

Class

- 3215. Quilting – Unit 2 – Junior
- 3216. Quilting – Unit 2 – Intermediate
- 3217. Quilting – Unit 2 – Senior

Unit 3 Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information on the Heritage Arts page.

- 1. Brief History report about the specific craft you selected:
 - a. Where did it begin?
 - b. How did it start?
 - c. Why was it started?
 - d. Historical information of your specific quilt block if applicable.

2. List references used:

- a. Juniors (8-10) one or two references
- b. Intermediates (11-13) two or three references
- c. Seniors (14 and older) three or more references

3. Include the stitches per inch on your item.

4. Include the skills (**at least two**) that you learned and used on your quilt.

5. If a pattern was used, secure a copy of the pattern to the e-Record.

C. One finished item illustrating what was learned. Items should include **one** of the following:

- 1. **Quilt (lap size or larger)**
- 2. **Three Coordinated pieces, such as a table runner and two placemats or a bed runner and two pillows**

D. Exhibited items must be quilted, hand or machine ONLY.

E. A separate binding should be used.

F. Two or more of the following Required Techniques are allowed:

- 1. Triangle patterns
- 2. Embellishments (includes NON-stitched appliques)
- 3. “Fussy-cuts”
- 4. Mitered corners
- 5. “On point” rows
- 6. Challenging fabric (denim, directional print, etc.)
- 7. Flange or other “embellished” borders

G. The exhibit should not use any techniques from Unit 4

H. Fabric Selection allowed:

- a. Yardage
- b. Only applique pre-cuts allowed

Class

- 3218. Quilting – Unit 3 – Junior
- 3219. Quilting – Unit 3 – Intermediate
- 3220. Quilting – Unit 3 – Senior

Unit 4 Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information on the Heritage Arts page.

- 1. Brief History report about the specific craft you selected:
 - a. Where did it begin?
 - b. How did it start?
 - c. Why was it started?
 - d. Historical information of your specific quilt block if applicable.

2. List references used:

- a. Juniors (8-10) one or two references
- b. Intermediates (11-13) two or three references
- c. Seniors (14 and older) three or more references

3. Include the stitches per inch on your item.

4. Include the skills (**at least two**) that you learned and used on your quilt.

5. If a pattern was used, secure a copy of the pattern to the e-Record.

C. One finished item illustrating what was learned. Items should include one of the following:

- 1. **Quilt (lap size or larger)**
- 2. **Three coordinated pieces, such as a table runner and two placemats or a bed runner and two pillows**

D. Exhibit item must be quilted – hand or machine ONLY.

E. A separate binding should be used.

F. Two or more of the following required techniques are allowed:

- 1. Y-seams
- 2. Curved piecing
- 3. Free-motion quilting on standard sewing machine
- 4. Use of ruler-work for quilting on standard machine
- 5. Foundation or paper piecing
- 6. Appliques, with stitched designs

G. No tied quilts or long-arm machine quilting

H. Fabric selection allowed:

- a. Yardage
- b. Only applique pre-cuts allowed

Class

- 3221. Quilting – Unit 4 – Junior
- 3222. Quilting – Unit 4 – Intermediate
- 3223. Quilting – Unit 4 – Senior

Unit 5
Original Design
Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information on the Heritage Arts page.

1. Brief History report about the specific craft you selected:
 - a. Where did it begin?
 - b. How did it start?
 - c. Why was it started?
 - d. Historical information of your specific quilt block if applicable.
2. List references used:
 - a. Juniors (8-10) one or two references
 - b. Intermediates (11-13) two or three references
 - c. Seniors (14 and older) three or more references
3. Include the stitches per inch on your item.
4. Include the following:
 - a. Picture, sketch, or description of inspiration.
 - b. Any sketches, drafts, computer generated designs or blocks.
 - c. Calculation, measurements and any adaptations or changes.
 - d. Process or steps descriptions.

C. One finished item illustrating what was learned. Items should include one of the following:

1. Quilt (original design)
2. Coordinated pieces, such as a table runner and two placemats or a bed runner and two pillows

D. Exhibit item must be quilted – hand or machine quilted (traditional or long-arm).

E. A separate binding should be used.

F. Two or more of the following required techniques from previous Units, but the design must be original.

G. Fabric selection allowed:

- a. Yardage
- b. Only applique pre-cuts allowed

H. NO commercial patterns allowed.

Class

3224. Quilting – Unit 5 – Original Design – Junior
3225. Quilting – Unit 5 – Original Design – Intermediate
3226. Quilting – Unit 5 – Original Design – Senior

Unit 6
Long Arm Quilting
(Intermediate & Senior Only)
Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information on the Heritage Arts page.

1. Brief History report about the specific craft you selected:
 - a. Where did it begin?
 - b. How did it start?
 - c. Why was it started?
 - d. Historical information of your specific quilt block if applicable.
2. List references used:
 - a. Juniors (8-10) one or two references
 - b. Intermediates (11-13) two or three references
 - c. Seniors (14 and older) three or more references
3. Include the stitches per inch on your item.
4. Include the skills (at least two) that you learned and used on your quilt.
5. If a pattern was used, secure a copy of the pattern to the e-Record.

C. One finished item illustrating what was learned. Items should include one of the following:

1. Quilt (original design)
2. Wall hanging
3. Clothing article using quilting techniques

D. Exhibit item must use long-arm quilter, free hand or programmed designs.

E. A separate binding should be used.

F. Use any three of the required techniques from Units 2, 3, or 4.

G. Fabric selection allowed:

- a. Yardage
- b. Only applique pre-cuts allowed

Class

3227. Quilting – Unit 6 – Long Arm – Intermediate
3228. Quilting – Unit 6 – Long Arm – Senior

Foods and Nutrition

Superintendent – Analecia Vasquez

1. Use white paper plates or covered heavy cardboard for exhibits in a zipper-locked bag, if possible. **Plates and pans will not be returned.** Food items should be covered securely.
2. Two-thirds of each entry of the 4-H baked goods will be sold to the public after judging. The bake sale will be held on Tuesday following the judging. All money made from this sale will be used for improvements of the 4-H Fair exhibit facilities. Only canned goods and e-Records will be returned.
3. Do not package foods when articles are warm.
- 4. If recipe in manual is used, you may need to adjust for high altitude.**
5. No commercial mixes are to be used.
6. Food items that show signs of mold growth or need refrigeration will not be accepted.
7. Bacon is not acceptable in baked goods because the heat during the cooking process might not penetrate the meat thoroughly enough. Large pieces or chunks of cheese on or in recipes where there is a large proportion of cheese is not acceptable either.
8. A best record book award will be presented to the overall outstanding Junior, Intermediate and Senior Foods record (selected from Foods, Food Preservation, and Breads).
9. Include a copy of the recipe used attached securely to the e-record. **No commercial mixes are to be used for the base of the product. Example: boxed cake mixes for shortened cake or quick breads, cookie dough – boxed or frozen, etc. If the commercial mix is an added ingredient into the product, it is okay.**
- 10. The use of marijuana or CBD in any display, food item, or exhibit is prohibited and shall be rejected. The exhibitor shall be referred to law enforcement.**
- 11. For those members who are exhibiting more than one item in a unit, they may copy their e-record. Each exhibit must have an e-record. Be sure to highlight what you are exhibiting in your e-record.**

Cooking 101 - Unit 1 Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record with exhibit item recipe presented in a sturdy binder/notebook.
- B. Include the following information on the Foods & Nutrition Page.
 1. Foods prepared
 2. Number of times
 3. Special Concerns
- C. Documentation of two completed learning activities from the manual in the record book.

Members can exhibit in one or more of the following classes:

No Bake Cookies

Class

3001. No Bake Cookies – Junior
3002. No Bake Cookies – Intermediate
3003. No Bake Cookies – Senior

D. Four no bake cookies of one recipe that is no-bake or made using stovetop or microwave.

Baked Bar Cookies

Class

3004. Baked Bar Cookies – Junior
3005. Baked Bar Cookies – Intermediate
3006. Baked Bar Cookies – Senior

D. Four baked bar cookies of one recipe.

Cookies

Class

3007. Cookies – Junior
3008. Cookies – Intermediate
3009. Cookies – Senior

D. Four baked, drop or molded cookies of one recipe. (Molded cookies are also made from a stiffer dough that is molded into balls or cookie shapes by hand before baking. Snickerdoodles are an example of molded cookies.)

Cooking 201 – Unit 2 Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record with a copy of the original recipe and the modified recipe presented in a sturdy binder/notebook.
- B. Include the following information on the Foods & Nutrition Page.
 1. Foods prepared
 2. Number of times
 3. Special Concerns
- C. Documentation of one completed learning activity on food safety and one on cooking basics. These can be a demonstration, written reports or displays.

Members can exhibit in one or more of the following classes:

Quick Breads

Class

3010. Quick Breads – Junior
3011. Quick Breads – Intermediate
3012. Quick Breads – Senior

D. One loaf quick bread any size (Not yeast bread)

Scones

Class

3013. Scones – Junior
3014. Scones – Intermediate
3015. Scones – Senior

D. Four scones of one recipe.

Muffins

Class

3016. Muffins – Junior
3017. Muffins – Intermediate
3018. Muffins – Senior

D. Four muffins of one recipe.

Cooking 301 – Unit 3 Exhibit Requirements

All exhibits will consist of the following:

A. Completed e-Record with a copy of the original recipe and the modified recipe presented in a sturdy binder/notebook.

B. Include the following information on the Foods & Nutrition Page.

1. Foods prepared
2. Number of times
3. Special Concerns

C. Documentation of one completed food science experiment from the manual in the e-record.

Members can exhibit in one or more of the following classes:

Shortened Cakes

(Shortened Cakes are cakes that use fat for flavor and texture. Most shortened cake recipes begin by beating the fat with sugar to create air bubbles.)

Class

3019. Shortened Cakes – Junior
3020. Shortened Cakes – Intermediate
3021. Shortened Cakes – Senior

D. One shortened cake without frosting.

Yeast Rolls

Class

3022. Yeast Rolls – Junior
3023. Yeast Rolls – Intermediate
3024. Yeast Rolls – Senior

D. Four kneaded yeast rolls of one variety and shape or four cinnamon rolls.

Creative Yeast Bread

Class

3025. Creative Yeast Bread – Junior
3026. Creative Yeast Bread – Intermediate
3027. Creative Yeast Bread – Senior

D. One recipe creative yeast bread. (example: French bread, braided bread, other specialty bread.)

Party Planning

Class

3028. Party Planning – Junior
3029. Party Planning – Intermediate
3030. Party Planning – Senior

D. Creative Exhibit (notebook) illustrating party planned by member, including theme, timeline and menu that includes one or more home prepared foods.

Cooking 401 – Unit 4 Exhibit Requirements

All exhibits will consist of the following:

A. Completed e-Record with a copy of the original recipe and the modified recipe presented in a sturdy binder/notebook.

B. Include the following information on the Foods & Nutrition Page.

1. Foods prepared
2. Number of times
3. Special Concerns

C. Documentation of one completed food science experiment from the manual in the e-record.

Members can exhibit in one or more of the following classes:

Flatbreads

Class

3031. Flatbread – Junior
3032. Flatbread – Intermediate
3033. Flatbread – Senior

D. Four flatbreads of one variety and shape.

Double Crust Pie

Class

3034. Double Crust Pie – Junior
3035. Double Crust Pie – Intermediate
3036. Double Crust Pie – Senior

D. One 8” or 9” double crust fruit pie made with homemade fruit filling in a disposable pie tin. No canned fruit fillings.

Celebration Meals

Class

3037. Celebration Meals – Junior
3038. Celebration Meals – Intermediate
3039. Celebration Meals – Senior

D. Creative Exhibit (notebook) illustrating celebration meals planned by member, including budget, timeline, and menu that includes two or more homemade prepared foods.

Unit 5
Outdoor Cooking and Living
Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook. Include in the project story what new skills you have learned.
- B. Include the following information on the Foods & Nutrition page:
1. Foods prepared
 2. Location
 3. Number of times
 4. Special Concerns
- C. One of the following:
- A box lunch of food-safe products or a representative of the product (pictures of food).
 - One cup of instant drink mix properly packaged.
 - A piece of equipment made by the exhibitor (**no larger than 3’x3’x3’**). If exhibit is larger than these dimensions, a notebook with how and what was made can be used as the exhibit.

Class

- 3040.** Outdoor Cooking and Living – Junior
3041. Outdoor Cooking and Living – Intermediate
3042. Outdoor Cooking and Living – Senior

Unit 6
Cultural and Ethnic Foods
Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record and manual that includes: Activity 1 page 11; Activity 2 page 12; Record pages 13-14, Meal Report pages 15 - 16 with emphasis in your story about your accomplishments presented in a sturdy binder/notebook.
- B. Include the following information on the Foods & Nutrition Page.
1. Foods prepared
 2. Number of times
 3. Special Concerns
- C. A food product with recipe representative of the cultural or ethnic group within the United States that you selected.
Note: The food product must be safe to hold at room temperature during the judging and display.

Class

- 3043.** Cultural Foods – Intermediate
3044. Cultural Foods – Senior

Unit 7
Passport to Foreign Cookery
Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record including a notebook with research on selected country containing three parts:
1. A maximum of 10 pages of research and pictures on customs relating to food habits and food sources, such as crops, fishing, etc. Discussion might include food shopping habits, percent of income spent for food, how the area of the country affects diets, etc.
 2. A maximum of three pages of other information about the country, i.e., climate, geography, political structure, religion, dress, etc.
 3. A maximum of five pages of menus and recipes. Menus should indicate nutritional balance of a traditional meal, plus page 4 in manual presented in a binder with the other materials.
- B. Include the following information on the Foods & Nutrition Page.
1. Foods prepared
 2. Number of times
 3. Special Concerns
- C. A food product with recipe that is representative of the country.
Note: The food product must be safe to hold at room temperature during the judging and display.

Class

- 3045.** Passport to Foreign Cookery – Intermediate
3046. Passport to Foreign Cookery – Senior

Food Preservation

1. All foods must have been preserved since the last Fair by the 4-H member.
2. All canned products must include the following information on the label:
 - a. Name of product.
 - b. Method of preparation (type syrup, type pack, any additional ingredients added) as applies to product canned.
 - c. Method of processing (i.e., pressure canner, water bath) and pounds of pressure used if food was pressure canned.
 - d. Elevation at which processing was done.
 - e. Exact processing time.
 - f. Date processed.

Examples:

Peaches

ascorbic acid dip

hot pack-thin syrup

boiling water bath canned

35 minutes at 5,000 feet

September 2021

Green Beans

hot pack, 1/2 tsp. salt

pressure canned at 12 ½ lbs.

25 minutes at 5,000 feet

July 2022

3. All dried foods must include the following information on the label:
 - a. Name of product.
 - b. Pretreatment used, if any.
 - c. Name of additional ingredients, if any.
 - d. Method of drying (oven, dehydrator, solar).
 - e. Total drying time.
 - f. Date dried.

Example:

Apricots

ascorbic acid dipped
dehydrator dried, 8 hours
July 2022

4. Standard canning jars must be used for all canned exhibits. (The brand name, such as Ball or Kerr imprinted on the side of the jar identifies a standard jar.) **All jars must have new two-piece lids. Re-usable lids and one-piece lids are not allowed.** Decorative storage containers which have a rubber seal are not acceptable for canning exhibits.
5. While it is best to have screw bands on during transit to and from Fair, they should be loosened for judging.
6. Submit 2 jars each of jam or jelly. One jar will be opened and judged. The other will be exhibited.
7. All preserved foods **must** follow Colorado State University or USDA recommendations. Jams and jellies should be processed in boiling water bath.
8. Any jars showing leaks or spoilage will not be judged.

Units 1 & 2 Freezing and Drying Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. Include the following information on the Food Preservation page:
 1. Date
 2. Name of product
 3. Amount
 4. Preparation Method
 5. Preservation or processing method used.
- C. Two of the following:
 1. Packaging for freezing and explanation of use.
 2. Rotation plan for using foods in the freezer.
 3. Six rolls of fruit leather or six strips of jerky. Jerky recipes **must** use Colorado State University recommended procedures. Deer and elk meat must include a copy of test results for Chronic Wasting Disease. (CWD test is mandatory, and a copy placed in binder/notebook.)
 4. One-half cup of the **same dried fruit**.
 5. One-half cup of the **same dried vegetables**.
 6. **One-half cup of mixed vegetables**.
- D. A copy of the recipe must be attached to ensure that the product is safe.

Class

3101. Freezing and Drying – Junior

3102. Freezing and Drying – Intermediate

3103. Freezing and Drying – Senior

Unit 3 Boiling Water Canning Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. Include the following information on the Food Preservation page:
 1. Date
 2. Name of product
 3. Amount
 4. Preparation Method
 5. Preservation or processing method used.
- C. **Any three** of the following:
 1. Two jars of canned fruits (different kind of fruit in each jar).
 2. One jar of tomato sauce.
 3. One jar of pickled fruit or vegetable, including chutney.
 4. Two jars of jelly (both must be the same product).
 5. Two jars of jam, conserves, fruit butters, preserves, and marmalades (both must be the same product).
 6. One jar of pickled relish or salsa.
- D. A copy of the recipe must be attached to ensure that the product is safe.

- Class**
3104. Boiling Water Canning – Junior
3105. Boiling Water Canning – Intermediate
3106. Boiling Water Canning – Senior

Unit 4
Pressure Canning
Exhibit Requirements

All exhibits will consist of the following:

- A. Completed e-record presented in a sturdy binder/notebook.
- B. Include the following information on the Food Preservation page:
1. Date
 2. Name of product
 3. Amount
 4. Preparation Method
 5. Preservation or processing method used.
- C. Three of the following:
1. One jar of canned vegetables.
 2. One jar of spaghetti sauce without meat.
 3. One jar of canned dried beans.
 4. One jar of tomato sauce.
 5. One jar of canned meat.
 6. One jar of canned meat sauces (example: spaghetti sauce with meat, chili con carne).
- D. A copy of the recipe must be attached to ensure that the product is safe.

- Class**
3107. Pressure Canning – Intermediate
3108. Pressure Canning – Senior

Cake Decorating

Superintendent – Stephanie Morrison

1. Cake should be placed on a **very firm** disposable surface, (**foam core, strong cardboard, plywood, particle board, etc.**) cut parallel to the shape of the cake and must be 1 ½” on each side from the base of the border (not the cake). The surface should be covered. Freezer paper is not advised because it absorbs grease. **The cake board must be covered with a food safe material, such as aluminum foil. If you use decorative or gift wrap paper or fabric, it must be covered in food quality plastic wrap.**

2. It is recommended that members learn the basic cake decorating skills included Units 1 – 3 before taking any of the more advanced units. Youth may then select the unit which includes the skills they wish to learn. Units 4 – 6 do not have to be taken in order as numbered and are for Juniors, Intermediates and Seniors. Units 7 – 9 do not have to be taken in order as numbered and are for Intermediates and Seniors. Units 10 – 12 are for Senior members only.

3. **Real cakes are required for Units 1 - 6. Cake Forms are preferred for Units 7 – 10**, as they hold up better under Fair conditions.

4. Exhibits requiring over a 2’ x 2’ exhibit area **must** be checked with the superintendent.

5. **No non-edible material can be used in units 1 – 6.**

6. Lower Units (1 – 3) should not use Royal Icing or Rolled Fondant as the base frosting. Fondant may be used only for decorations on cakes in Unit 1. **No Fondant can be used in Units 2 and 3. Only required tip work can be used in Units 2 and 3.**

7. Cakes will **not** be cut for judging.

8. Real cakes are required for all four required cakes and cupcake batter in Unit 1 – 6. At least 2 of the cakes need to be real in Units 7 – 10. **In Unit 8, 2 of the 4 cakes must be real cakes.**

9. Unit 11 is molds, and three molds are required plus the exhibit mold for a total of 4.

10. Unit 12 – 75 percent of the judging will be on the notebook.

11. Definition of two layered cake is, two of the same size cakes placed on top of each other. This is used for units 3, 7, 8, and 9.

12. Once a 4-H member has received a placing in the top 10 or a grand champion at State Fair, he or she needs to move to another unit because the skills in that unit have already been mastered. Also, if a member repeats a unit, he or she must show what new skill was learned.

Unit 1

Cake Decorating – Edible Cake Decorating Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the four required cakes plus the exhibit cake (**Total of 5**) (**All 5 cakes must be real**):

1. occasion for use
2. real cakes
3. size or shape
4. techniques used
5. edible materials used
6. cost to buy similar cake
7. any problems you had

Be sure to put the cost of your four cakes and exhibit cake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the four required cakes in addition to photos of you working on your project in the record photo page.

D. One decorated single layer 8” or 9” or 10” round or square, or 9” x 13” rectangle **real** cake using only edible materials for example: candies, pretzels and coconut should be used to create a design. No decorator tips are allowed in this unit. **NO fondant may be used for decorations or base icing on the cake. One fourth of the top of cake should be visible to show smooth base.** No royal icing can be used as icing or decorations on the cake. **No non-edible material can be used.**

E. **Bottom base border required.**

Class

2601. Cake Decorating – Unit 1 – Junior

2602. Cake Decorating – Unit 1 – Intermediate

2603. Cake Decorating – Unit 1 – Senior

Unit 2

Cake Decorating – Single Layered Cake Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the four required cakes plus the exhibit cake (**Total of 5**) (**All 5 cakes must be real**):

1. occasion for use
2. real cakes
3. size or shape
4. techniques used
5. tips used and where
6. cost to buy similar cake
7. any problems you had

Be sure to put the cost of your four cakes and exhibit cake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the four required cakes in addition to photos of you working on your project in the record photo page.

Unit 4

Cake Decorating - Character Cakes

Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the **three** required **character** cakes plus the exhibit cake (**Total of 4**) (**All 4 character cakes must be real**):

1. occasion for use
2. shape
3. real **character** cakes
4. techniques used
5. tips used and where
6. cost to buy similar cake
7. any problems you had

Be sure to put the cost of your three cakes and exhibit cake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the four required cakes in addition to photos of you working on your project in the record photo page.

D. One decorated character cake (an entire cake which resembles the shape of a character or object made without cutting, other than a classic square, round, oblong, heart, hexagon, oval, or petal cake shape). Three-dimensional cakes are acceptable. The cake is to be primarily decorated with the star tip or other tips appropriate to the design. **Fondant or royal icing can be used only for decorations. No non-edible material can be used.**

E. Bottom base border that frames the cake is required.

Class

2610.	.....	Cake Decorating – Unit 4 – Junior
2611.	.....	Cake Decorating – Unit 4 – Intermediate
2612.	.....	Cake Decorating – Unit 4 – Senior

Unit 5 Small Treats

Unit 5

Cake Decorating – Themed Cupcakes

Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record **a minimum of three batches of cupcakes** (must be Themed Cupcakes), plus the exhibit cupcakes, for a minimum of **four** baking and decorating experiences. **One batch = 12 cupcakes. (Total of 4):**

1. occasion for use
2. size or shape
3. **four** batches of cupcakes
4. techniques used
5. tips used and where
6. edible materials used
7. cost to buy similar cupcakes
8. any problems you had

D. One decorated single layered **real** cake (8” or 9” or 10” round or square or 9” x 13”) using a leaf, star and round tips. **One fourth of the top of cake should be visible to show smooth base.** (No fondant or royal icing may be used as icing or decorations on the cake.) **Only required tip work can be used in Unit 2. No non-edible material can be used.** Do not use flowers made on a flower nail or materials other than frosting in decorations. **No cake forms can be used.**

E. Bottom base border is required.

Class

2604.	.....	Cake Decorating – Unit 2 – Junior
2605.	.....	Cake Decorating – Unit 2 – Intermediate
2606.	.....	Cake Decorating – Unit 2 – Senior

Unit 3

Cake Decorating – Two-Layered Cake

Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the four required cakes plus the exhibit cake (**Total of 5**) (**All 5 cakes must be real**):

1. occasion for use
2. size or shape
3. real cakes
4. techniques used
5. tips used and where
6. cost to buy similar cake
7. any problems you had

Be sure to put the cost of your four cakes and exhibit cake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the four required cakes in addition to photos of you working on your project in the record photo page.

D. One decorated two-layered **real** cake (8” or 9” or 10” round or square) using three to five different types of tips in decorating. You must use the round, star, and leaf tips, but may also use other tips, if you choose. **Spatula and brush striping and figure piping are optional. One fourth of the top of cake should be visible to show smooth base.** Do not use flowers made on a flower nail or materials other than frosting. No fondant or royal icing may be used as icing or decorations on the cake. **Only required tip work can be used in Unit 3. No non-edible material can be used.**

E. Side trim required on exhibit cake and on at least two practice cakes.

F. Bottom base border required.

Class

2607.	.....	Cake Decorating – Unit 3 – Junior
2608.	.....	Cake Decorating – Unit 3 – Intermediate
2609.	.....	Cake Decorating – Unit 3 – Senior

Be sure to put the cost of your three cupcake batches and exhibit cupcakes on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** required batches in addition to photos of you working on your project in the record photo page. **Write a short explanation of what you did and what you learned with each batch you decorated.**

D. A minimum of 3 and a maximum of 6 regular size (2 3/4") cupcakes in liners. Cupcakes should be decorated using frosting and edible materials. Fondant and royal icing can be used only for decorations. Cupcakes should be of a similar theme. (Themed cupcakes mean that there is a central idea between all the cupcakes: example: animal theme, flower theme: Disney characters cupcakes do not have to be all the same.) Place each decorated cupcake in a disposable muffin tin or a **disposable** container that matches the theme and is no larger than 10" round (example: teacups, ice cream cones, etc.). **Frosting must cover the cupcake and provide a base for decorations. One-fourth frosting must be visible on at least one cupcake. Spatula painting and brush striping are optional.** Please label with the Exhibitor name and county. No non-edible materials can be used.

Class

2613. Cake Decorating – Themed Cupcakes – Unit 5 – Junior

2614. .. Cake Decorating – Themed Cupcakes – Unit 5 – Intermediate

2615. Cake Decorating – Themed Cupcakes – Unit 5 – Senior

Unit 5

Cake Decorating – Stacked Cupcakes Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record: on the **three** required batches of cupcakes (must be Stacked Cupcakes), plus the exhibit cupcakes, for a minimum of **four** baking and decorating experiences. **One batch = 12 cupcakes.**

(Total of 4):

1. occasion for use
2. size or shape
3. **four** batches of cupcakes
4. techniques used
5. tips used and where
6. edible materials used
7. cost to buy similar cupcakes
8. any problems you had

Be sure to put the cost of your three cupcake batches and exhibit cupcake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** required batches in addition to photos of you working on your project in the record photo page. **Write a short explanation of what you did and what you learned with each batch you decorated.**

D. **A minimum of 4 and a maximum of 8 cupcakes creating one design where cupcakes are stacked on top of each other and decorated.** (Experiment with using mini cupcakes and regular sized cupcakes when stacking.) Non-visible supports can be used to hold stacked cupcakes. Cupcakes are decorated using frosting and edible materials. **Frosting must cover the cupcake and provide a base for decorations. One-fourth frosting must be visible on at least one cupcake.** Fondant and royal icing can be used for decorations only.

Cupcakes should be secured to a sturdy board **with frosting** for display. Board size should be appropriate to design (use guideline for cakes – maximum of 9" x 13" or a 14" round). **Spatula painting and brush striping are optional. No non-edible materials can be used. Cupcakes can be stacked 2 but not more than 4 high with a maximum of 8 cupcakes total for the design.** A variety of sizes is allowed and encouraged.

Class

2616. Cake Decorating – Stacked Cupcakes – Unit 5 – Junior

2617. .. Cake Decorating – Stacked Cupcakes – Unit 5 – Intermediate

2618. Cake Decorating – Stacked Cupcakes – Unit 5 – Senior

Unit 5

Cake Decorating – Character Cupcakes Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the **three** required batches of cupcakes, (must be Character Cupcakes) plus the exhibit cupcakes, for a minimum of **four** baking and decorating experiences. **One batch = 12 cupcakes.**

(Total of 4):

1. occasion for use
2. size or shape
3. **four** batches of cupcakes
4. techniques used
5. tips used and where
6. edible materials used
7. cost to buy similar cupcakes
8. any problems you had

Be sure to put the cost of your three batches of cupcakes and exhibit cupcake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** required batches of cupcakes in addition to photos of you working on your project in the record photo page. **Write a short explanation of what you did and what you learned with each batch you decorated.**

D. Character Cupcakes are multiple individually decorated cupcakes that come together to create the character. **That is, if a cupcake is removed, the design or character will be ruined. Another way to describe character cupcakes is any design that cannot be displayed in a cupcake pan as individual cupcakes. Design should be one dimension – no stacking.** Cupcakes are decorated using frosting and edible materials. **Spatula painting and brush striping are optional. Frosting must cover the cupcake and provide a base for decorations. One-fourth of the frosting must be visible on at least one cupcake.** Fondant and royal icing can be used only for decorations. The character must be displayed on one cake board with a maximum size of 9" x 13" or 14" round. **No non-edible materials can be used.**

Class

2619. Cake Decorating – Character Cupcakes – Unit 5 – Junior

2620. Cake Decorating – Character Cupcakes – Unit 5 – Intermediate

2621. Cake Decorating – Character Cupcakes – Unit 5 – Senior

Unit 5 Cake Decorating – Decorated Themed Cookies Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the required three batches of cookies, **plus** your exhibit cookies, for a minimum of four baking and decorating experiences.

One batch == 12 cookies. **(Total of 4):**

1. occasion for use
2. size or shape
3. three batches of cookies
4. techniques used
5. tips used and where
6. edible materials used
7. cost to buy similar cookies
8. any problems you had

Be sure to put the cost of your three cookie batches and exhibit cookies on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** required batches of cookies in addition to photos of you working on your project in the record photo page. Write a short explanation of what you did and what you learned with each batch you decorated.

D. A minimum of 3 and maximum of 6 regular size (3 inches) cookies displayed on a disposable base **no larger than 12 inches**. Cookies should be of a similar design or theme. Cookies should be displayed on a 12” disposable platter. Cookies are decorated using frosting and edible materials. Spatula painting and brush striping are optional. **Base Frosting – poured icing, buttercream, royal icing, run-in sugar – must cover the cookie and provide a base for decorations.** One-fourth of the frosting must be visible on at least one cookie. **Fondant may be used only for decorations.** No non-edible materials can be used.

Class

2622.Cake Decorating – Themed Cookies – Unit 5 – Junior

2623.Cake Decorating – Themed Cookies – Unit 5 – Intermediate

2624.Cake Decorating – Themed Cookies – Unit 5 – Senior

Unit 5 Cake Decorating – Decorated Stacked Cookies Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the required three batches of cookies, **plus** your exhibit cookies, for a minimum of four baking and decorating experiences.

One batch == 12 cookies. **(Total of 4):**

1. occasion for use
2. size or shape
3. three batches of cookies
4. techniques used
5. tips used and where
6. edible materials used
7. cost to buy similar cookies
8. any problems you had

Be sure to put the cost of your three cookie batches and exhibit cookies on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** required batches of cookies in addition to photos of you working on your project in the record photo page. Write a short explanation of what you did and what you learned with each batch you decorated.

D. Cookies stacked on top of each other and decorated to create one design or theme that is a minimum of 6 inches and maximum of 12 inches in height. Cookies may vary in size according to the type of stacking being done. **Cookies should be secured to a sturdy covered board for display not to exceed 12” x 12”.** Cookies are decorated using frosting and edible materials. **Fondant may be used only for decorations. No non-edible materials can be used.**

Class

2625. Cake Decorating – Stacked Cookies – Unit 5 – Junior

2626. Cake Decorating – Stacked Cookies – Unit 5 – Intermediate

2627. Cake Decorating – Stacked Cookies – Unit 5 – Senior

Unit 5 Cake Decorating – Decorated Cookie Construction Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the required three cookie structures, **plus** your exhibit cookie structure. **(Total of 34):**

1. occasion for use
2. size or shape
3. three cookie structures
4. techniques used
5. tips used and where
6. edible materials used
7. cost to buy similar cookies
8. any problems you had

Be sure to put the cost of your two cookie structures and exhibit cookie structure on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **three** required cookie structures in addition to photos of you working on your project in the record photo page. Write a short explanation of what you did and what you learned with each structure you decorated.

D. A cookie structure that is no more than 11” wide and a maximum height of 20”. The structure should be placed on a sturdy covered board not to exceed 14” x 14”. The structure may be placed in a “glass” case for display. Structure is decorated using frosting and edible materials. Fondant may be used for decorations. No non-edible materials can be used.

Class

2628.Cake Decorating – Cookie Structure – Unit 5 – Junior

2629.Cake Decorating – Cookie Structure – Unit 5 – Intermediate

2630. Cake Decorating – Cookie Structure – Unit 5 – Senior

Unit 6 Cake Decorating – Cut-Up Cakes Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the **three** required **cut-up** cakes plus the exhibit cake (**Total of 4**) (All 4 cut-up cakes must be real):

1. occasion for use
2. size or shape
3. real cut-up cakes
4. **pattern(s) used**
5. techniques used
6. tips used and where
7. edible materials used
8. cost to buy similar cake
9. any problems you had

Be sure to put the cost of your three cakes and exhibit cake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** required cakes in addition to photos of you working on your project in the record photo page. **Pattern(s) or diagrams for all required cakes must be included in the e-Record. Be sure to include photos or drawings of the steps in your process.**

D. One decorated cut-up cake using **three different types** of decorator tips (not different sizes of the same tips). (Edible materials may also be used.) Cake board must be cut parallel to the shape of the cake. **14" x 14" base for a 12" x 12" x 12" cake size.** Non-edible internal supports are allowed but must not show. **No non-edible materials can be used.**

E. Bottom base border required.

Class

- 2631. Cake Decorating – Unit 6 – Junior
- 2632. Cake Decorating – Unit 6 – Intermediate
- 2633. Cake Decorating – Unit 6 – Senior

Unit 7 Cake Decorating – Flat Surface and Nail Flowers Exhibit Requirements

Intermediate & Senior Only

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the **three required cakes** plus the exhibit cake (**Total of 4**) (At least 2 of the 4 must be real cakes):

1. occasion for use
2. size or shape
3. cake or cake form (at least 2 real cakes)
4. techniques used
5. tips used and where
6. cost to buy similar cake
7. any problems you had

Be sure to put the cost of your three cakes and exhibit cake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** required cakes in addition to photos of you working on your project in the record photo page.

D. One two-layered 8", 9", or 10" cake or cake form using a minimum of: one flat surface flower, one flower made on a flat flower nail, one border and one side trim learned in this unit. Texturing is optional. No Fondant.

E. Side trim is required

F. Bottom base border required.

Class

- 2634. Cake Decorating – Unit 7 – Intermediate
- 2635. Cake Decorating – Unit 7 – Senior

Unit 8 Cake Decorating – Fondant Intermediate & Senior Only Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the **three** cakes plus the exhibit cake (**Total of 4**) (At least 2 of the 4 must be real cakes and **all** covered in fondant). **Exhibit cake must be covered with fondant.**

1. occasion for use
2. size or shape
3. cake or cake form (at least 2 real cakes and 2 covered with fondant) Exhibit cake must be covered with fondant.
4. techniques used
5. tips used and where
6. cost to buy similar cake
7. any problems you had

Be sure to put the cost of your three required cakes and exhibit cake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** required cakes in addition to photos of you working on your project in the record photo page.

D. One decorated two layered cake or cake form 8", 9", or 10" round or square covered in fondant and decorated using fondant and gum paste decorations.

E. Bottom base border required.

Class

- 2636. Cake Decorating – Unit 8 – Intermediate
- 2637. Cake Decorating – Unit 8 – Senior

Unit 9
Cake Decorating – Lily Nail Flowers
Intermediate & Senior Only
Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the **three** required cakes plus the exhibit cake (**Total of 4**) (At least 2 of the 4 must be real cakes and **the exhibit cake must have a lily nail flower on them**):

1. occasion for use
2. size or shape
3. cake or cake form (at least 2 real cakes)
4. techniques used
5. tips used and where
6. cost to buy similar cake
7. any problems you had

Be sure to put the cost of your three cakes and exhibit cake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** required cakes in addition to photos of you working on your project in the record photo page.

D. One decorated two-layered 8”, 9”, or 10” cake or cake form using an example of string work and a flower made on a lily flower nail **and a side trim**. Texturing is optional.

E. String work (cornelli, sota or applique lace) required. Writing is not string work.

F. Bottom base border required.

Class

2638. Cake Decorating – Unit 9 – Intermediate

2639. Cake Decorating – Unit 9 – Senior

Unit 10
Cake Decorating – Tiered Cakes
Seniors Only
Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the **three** required cakes plus the exhibit cake (**Total of 4**) (At least 2 of the 4 must be real cakes) Forms are preferred for the exhibit cake:

1. occasion for use
2. size or shape
3. cake or cake form (at least 2 real cakes)
4. techniques used
5. tips used and where
6. cost to buy similar cake
7. any problems you had

Be sure to put the cost of your three cakes and exhibit cake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** required cakes in addition to photos of you working on your project in the record photo page.

Write a short explanation of what you did and what you learned with each cake you decorated.

D. One decorated cake or cake form of three or more tiers of graduated sizes, using supports. Separator plates and pillars may be used but are not required.

E. Bottom base border required.

Class

2640. Cake Decorating – Unit 10 - Senior

Unit 11
Cake Decorating – Molds
Seniors Only
Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information in the Cake Decorating e-Record on the **three** required molded items plus the exhibit item. Mold and shape at least three different edible materials (fondant, gum paste, molding chocolate, candy melts, **sugar, cereal bases covered in fondant, etc.** etc.): (**Total of 4**)

1. occasion for use
2. molding materials (at least three different molding or shaping materials)
3. molds used (mold at least three different edible molds)
4. techniques used
5. tips used and where
6. edible materials other than molding
7. cost of materials
8. any problems you had

Be sure to put the cost of your three molded items and exhibit item on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **four** molded items in addition to photos of you working on your project in the record photo page.

Write a short explanation of what you did and what you earned with each molded or shaped item you decorated.

D. One molded or shaped object may be on a decorated cake, a cake form or an independent display case (no larger than 10”) to protect the item form harm

Class

2641. Cake Decorating – Unit 11 – Senior

Unit 12
Cake Decorating – Create Your Own
Seniors Only
Exhibit Requirements

All exhibits will consist of the following:

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

B. A detailed notebook describing your project including your goals, plans, accomplishments, and your evaluation of results. You may use pictures or any records you have kept that provide evidence of your accomplishments. This notebook is your main project exhibit and will count for 75 percent of the scoring. If an item was made as a part of your project, a sample may be displayed as further evidence of the quality of your project. **Notebook will be displayed. The display notebook and optional item must not require over a 2' x 2' area or consist of more than three items.**

Class

2642. Cake Decorating – Unit 12 – Senior

Home Design and Décor

Superintendent – Amber Hersh

1. All exhibit items must have the name, age, and county of the exhibitor attached. This information should be on the back at the **left hand corner** of the article.
2. The articles may be used before exhibiting but should be clean and in good condition when exhibited.
3. Only current year's records should be submitted.
4. Definitions of Decorative Accessory and Household Items.
A. A decorative accessory is a small decoration piece (not furniture such as end tables, nightstands, sofas, chairs or window and floor coverings) which adds spice to a room. Examples: lampshades, picture frames, trays, small jewelry boxes, shadow boxes, small collectibles, vases, candlesticks, pillows, etc.

B. A household item is a small usable piece (no furniture such as: end tables, nightstands, sofas, chairs, or window and floor coverings).
Examples: wastebaskets, canisters, planters, foot stools, etc.

Unit 1 Home Design and Décor Exhibit Requirements

All exhibits will consist of the following:

A. Completed **Home Design and Décor** e-Record presented in a sturdy binder/notebook. Include in your project story why you chose your exhibit, how you plan to use it, what other items you made, and what recycled or reusable items you used this year.

B. Include the following information on the Home Design and Décor page: pictures of other recycled items made during your project (a minimum of at least two photos). These are in addition to the photo required in the e-record.

C. Select one of the following using at least 50 percent recycled or reused items (no furniture):

1. Using recycled material to make one of the following to be used outside:
 - a. Bird Feeder or Birdhouse
 - b. Wind Chime
 - c. Picnic Caddy

OR

2. Using at least 50% recycled or reused items (no furniture) to make one of the following items to be used inside the house:
 - a. Centerpiece for table
 - b. Planter
 - c. Room or desk organizer
 - d. Decorative accessory for the home (see definition)
 - e. Household item (see definition)
 - f. Wall hanging 3' x 2'

D. Completed Activity 2 – Color wheel from the manual placed in the e-record.

Class

3301. Home Design and Décor – Unit 1 – Junior
3302. Home Design and Décor – Unit 1 – Intermediate
3303. Home Design and Décor – Unit 1 – Senior

Unit 2 Home Design and Décor Exhibit Requirements

All exhibits will consist of the following:

A. Completed **Home Design & Décor** e-Record presented in a sturdy binder/notebook. Include in your project story why you chose your exhibit, how you plan to use it, what other items you made.

B. Include the following information on the Home Design & Décor page in the e-Record.

1. Two or more exhibit photos showing item in place where it will be used and as a part of the total room design. These are in addition to the photos required in the e-record.
2. A statement on how you improved your family's safety or a family escape plan.

C. One item or set from the following:

1. Communication Board (3' x 2')
2. Room or desk organizer
3. A wall hanging 3' x 2'
4. Decorative accessory
5. Household item (see definition)
6. Family Escape plan

Class

3304. Home Design and Décor – Unit 2 – Junior
3305. Home Design and Décor – Unit 2 – Intermediate
3306. Home Design and Décor – Unit 2 – Senior

Unit 3 Home Design and Décor Exhibit Requirements

All exhibits will consist of the following:

A. Completed **Home Design and Décor** e-Record presented in a sturdy binder/notebook, including room scheme. Include in your project story why you chose your exhibit, how you plan to use it, what other items you made and what recycled or reusable items you used this year.

B. Select one of the following for an exhibit:

1. A refinished or refurbished piece of furniture. To refurbish is to restore a furniture piece to a new look by repairing damage and/or replacing seating or upholstery caused by heavy wear or neglect. Refinishing is when you strip off the old finish and apply a new finish or color that was not original to that piece of furniture.
 - a. Attach pictures showing the original piece, one during the refinishing or refurbishing process, and one of the completed pieces. These photos are in addition to the photos required in the e-record.
 - b. A brief description of how the piece(s) fit into the room placed in the e-record.

OR

2. Select from one of the items below to exhibit:
 - a. A brief description of the window treatment or bedcovering you made or purchased that includes how it fits into the design of the room and if purchased why?
 - b. Attach up to 4 photos showing the exhibited item(s) in use in the room. These are in addition to the photos required in the e-record.

OR

3. An emergency weather plan for your family. Where would you go? What type of items would you have in case of emergency? What personal items would you take with you? Place the emergency plan in the e-record.

Class

3307. Home Design and Décor – Unit 3 – Junior
 3308. Home Design and Décor – Unit 3 – Intermediate
 3309. Home Design and Décor – Unit 3 – Senior

Unit 4
Home Design and Décor
Exhibit Requirements

All exhibits will consist of the following:

A. Completed **Home Design and Décor** e-Record presented in a sturdy binder/notebook.

B. Include in the e-record a written statement with the following information:

1. Goals
2. What your plan was for this project
3. Did you accomplish your goals?
4. List the resources that you used.
5. How did you share your project?
6. How did you evaluate your project?

C. Select one form the following for an exhibit:

1. Design board (art board, corrugated plastic, etc.) 22” x 30”.
 Foam core or foam board for mounting samples. The design board will include samples of paint, fabric, flooring, etc., for the room you are designing.

OR

2. Job Shadow Exhibit – The standardized display board size of 4’ x 3’ is to be used demonstrating what profession you are interested in and who you job-shadowed (profession, job title of person shadowing, what you learned from the experience, and if you still want to be in the profession, who or why not?)

Include pictures or any record you have kept providing evidence of your job shadow experience.

OR

3. Portfolio Exhibit
 - a. A physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work.
 - b. Written explanation that demonstrates knowledge of the related career or business field, potential careers, and the appropriate requirements for achievement in that field.

Class

3310. Home Design and Décor – Unit 4 – Intermediate
 3311. Home Design and Décor – Unit 4 – Senior

Special 4-H Displays

Space may be set aside for special 4-H displays in the McKee 4-H Building. These displays will not be judged. Displays should be brought to the 4-H building on August 2 between 10 a.m. and 4 p.m. with prior permission from a 4-H Extension Agent. They should be checked out on August 10, from 7:00 a.m. to 10:00 a.m.