

2020 Larimer County Fair Schedule of Events

SCHEDULE as of July 2, 2020 ---- SCHEDULE SUBJECT TO CHANGE

MONDAY, JULY 13

8:00 a.m. - 6:00 p.m.

**4-H EXHIBIT ENTRY
DEADLINE**
Fair/Entry – Family Consumer
Science & General Projects Only
NO LATE ENTRIES ACCEPTED

SUNDAY, JULY 19

8:00 a.m. – 7:00 p.m.

FCS/General Project Check-In
Embassy Suites

8:00 a.m. – 11:30 a.m.

Members enrolled in these projects
A – H (last names)

Cake Decorating
Computers
Electrics
Entomology
Foods & Nutrition
Food Preservation
Specialty Foods
Global Citizenship
Leadership
Model Rocketry
Robotics
Small Engines

12:00 noon – 3:30 p.m.

Members enrolled in these projects
I – R (last names)

Cake Decorating
Computers
Electrics
Entomology
Foods & Nutrition
Food Preservation
Specialty Foods
Global Citizenship
Leadership
Model Rocketry
Robotics
Small Engines

3:30 p.m. – 7:00 p.m.

Members enrolled in these projects
S – Z (last names)

Cake Decorating
Computers
Electrics
Entomology
Foods & Nutrition
Food Preservation
Specialty Foods
Global Citizenship
Leadership
Model Rocketry
Robotics
Small Engines

MONDAY, JULY 20

8:00 a.m. – 7:00 p.m.

FCS/General Project Judging
Embassy Suites
Closed to the Public, No Interview
Judging
Cake Decorating
Computers
Electrics
Entomology
Foods & Nutrition
Food Preservation
Specialty Foods
Global Citizenship
Leadership
Model Rocketry
Robotics
Small Engines

TUESDAY, JULY 21

12:00 noon – 7:00 p.m.

**Exhibit Check Out (MUST BE
PICKED UP)**

Embassy Suites
Cake Decorating
Computers
Electrics
Entomology
Foods & Nutrition
Food Preservation
Specialty Foods
Global Citizenship
Leadership
Model Rocketry
Robotics
Small Engines

2020 Larimer County Fair Schedule of Events

SCHEDULE as of July 2, 2020 ---- SCHEDULE SUBJECT TO CHANGE

WEDNESDAY, JULY 22

8:00 a.m. – 7:00 p.m. FCS/General Project Check-In
Embassy Suites

8:00 a.m. – 11:30 a.m. Members enrolled in these projects
A – H (last names)

- Cats
- Ceramics
- Gardening
- Heritage Arts
- Home Design & Décor
- Outdoor Adventures
- Photography
- 4-H Filmmaking
- Scrapbooking
- Veterinary Science
- Visual Arts
- Wildlife
- Woodworking

12:00 noon – 3:30 p.m. Members enrolled in these projects
I – R (last names)

- Cats
- Ceramics
- Gardening
- Heritage Arts
- Home Design & Décor
- Outdoor Adventures
- Photography
- 4-H Filmmaking
- Scrapbooking
- Veterinary Science
- Visual Arts
- Wildlife
- Woodworking

3:30 p.m. – 7:00 p.m. Members enrolled in these projects
S – Z (last names)

- Cats
- Ceramics
- Gardening
- Heritage Arts
- Home Design & Décor
- Outdoor Adventures
- Photography
- 4-H Filmmaking
- Scrapbooking
- Veterinary Science
- Visual Arts
- Wildlife
- Woodworking

THURSDAY, JULY 23

8:00 a.m. – 7:00 p.m. FCS/General Project Judging
Embassy Suites
Closed to the Public, No Interview
Judging

- Cats
- Ceramics
- Gardening
- Heritage Arts
- Home Design & Décor
- Outdoor Adventures
- Photography
- 4-H Filmmaking
- Scrapbooking
- Veterinary Science
- Visual Arts
- Wildlife
- Woodworking

FRIDAY, JULY 24

12:00 noon – 7:00 p.m. Exhibit Check Out (MUST BE
PICKED UP)
Embassy Suites

- Ceramics
- Gardening
- Heritage Arts
- Home Design & Décor
- Outdoor Adventures
- Photography
- 4-H Filmmaking
- Scrapbooking
- Visual Arts
- Wildlife
- Woodworking

2020 Larimer County Fair Schedule of Events

SCHEDULE as of July 2, 2020 ---- SCHEDULE SUBJECT TO CHANGE

SATURDAY, JULY 25

- | | |
|------------------------|--|
| 8:00 a.m. | Model Rocketry Fly Day
<i>Field East of Parking Lot AA</i> |
| 8:00 a.m. – 7:00 p.m. | FCS/General Project Check-In
<i>Embassy Suites</i>
<i>Closed to the Public, No Interview</i>
<i>Judging</i> |
| 8:00 a.m. – 11:30 a.m. | Members enrolled in these projects
A – H (last names)
Artistic Clothing
Clothing
Horseless Horse
Leathercraft
Self-Determined
Shooting Sports
Sportfishing |
| 12:00 p.m. – 3:30 p.m. | Members enrolled in these projects
I – R (last names)
Artistic Clothing
Clothing
Horseless Horse
Leathercraft
Self-Determined
Shooting Sports
Sportfishing |
| 3:30 p.m. – 7:00 p.m. | Members enrolled in these projects
S – Z (last names)
Artistic Clothing
Clothing
Horseless Horse
Leathercraft
Self-Determined
Shooting Sports
Sportfishing |

SUNDAY, JULY 26

- | | |
|-----------------------|--|
| 8:00 a.m. – 7:00 p.m. | FCS/General Project Judging
<i>Embassy Suites</i>
Artistic Clothing
Clothing
Horseless Horse
Leathercraft
Self-Determined
Shooting Sports
Sportfishing |
|-----------------------|--|

MONDAY, JULY 27

- | | |
|------------------------|---|
| 12:00 noon – 7:00 p.m. | Exhibit Check Out (MUST BE
PICKED UP)
<i>Embassy Suites</i>
Artistic Clothing
Clothing
Horseless Horse
Leathercraft
Self-Determined
Shooting Sports
Sportfishing |
|------------------------|---|

2020 Larimer County Fair Schedule of Events

SCHEDULE as of July 2, 2020 ---- SCHEDULE SUBJECT TO CHANGE

SUNDAY, JULY 26

6:00 a.m. – 12:00 p.m. English Horse Division
Showmanship & Equitation
Round Up Outdoor Arena

12:00 p.m. – 6:00 p.m. Western Horse Division
Showmanship & Horsemanship
Round Up Outdoor Arena

MONDAY, JULY 27

6:00 a.m. – 12:00 p.m. Ranch Horse Division
Horsemanship & Ranch Riding
Round Up Outdoor Arena

12:00 p.m. – 6:00 p.m. Gymkhana Horse Division
Barrels & Poles
Round Up Outdoor Arena

TUESDAY, JULY 28

7:00 a.m. – 8:30 a.m. Dairy Goat Check-In & Vet Check
Budweiser Event Center

9:00 a.m. – 11:30 a.m. Dairy Goat Show
Budweiser Event Center

12:00 noon - 12:45 p.m. Dairy Goat Check Out

1:00 p.m. – 2:30 p.m. Alpaca/Llama Check-In & Vet Check
Budweiser Event Center

3:00 p.m. – 5:00 p.m. Alpaca/Llama Show
Budweiser Event Center

5:30 p.m. – 6:15 p.m. Alpaca/Llama Check Out

WEDNESDAY, July 29

6:00 a.m. – 8:00 a.m. Meat Goat Check-In & Vet Check
Budweiser Event Center

Members last name A – G

8:30 a.m. – 10:00 a.m. Meat Goat Show
Budweiser Event Center

10:30 a.m. – 11:15 a.m. Meat Goat Check Out

Members last name A – G

11:30 a.m. – 1:30 p.m. Meat Goat Check-In & Vet Check
Budweiser Event Center

Members last name H – M

2:00 p.m. – 3:30 p.m. Market Goat Show
Budweiser Event Center

4:00 p.m. – 4:45 p.m. Market Goat Check Out

Members last name H – M

5:00 p.m. – 7:00 p.m. Market Goat Check-In & Vet Check
Budweiser Event Center

Members last name N – Z

7:30 p.m. – 9:00 p.m. Meat Goat Show
Budweiser Event Center

9:30 p.m. – 10:15 p.m. Meat Goat Check Out

Members last name N – Z

THURSDAY, JULY 30

6:00 a.m. – 8:00 a.m. Sheep Check-In & Vet Check
Budweiser Event Center

Members last name A – G

8:30 a.m. – 10:00 a.m. Sheep Show
Budweiser Event Center

10:30 a.m. – 11:15 a.m. Sheep Check Out

Members last name A – G

11:30 p.m. – 1:30 p.m. Sheep Check-In & Vet Check
Budweiser Event Center

Members last name H – R

2:00 p.m. – 3:30 p.m. Sheep Show
Budweiser Event Center

4:00 p.m. – 4:45 p.m. Sheep Check Out

Members last name H – R

5:00 p.m. – 7:00 p.m. Sheep Check-In & Vet Check
Budweiser Event Center

Members last name S – Z

7:30 p.m. – 9:00 p.m. Sheep Show
Budweiser Event Center

9:30 p.m. – 10:15 p.m. Sheep Check Out

Members last name S – Z

FRIDAY, JULY 31

5:00 a.m. – 7:00 a.m. Swine Check-In & Vet Check
Budweiser Event Center

Members last name A – G

8:00 a.m. – 9:30 a.m. Swine Show
Budweiser Event Center

10:00 a.m. – 10:45 a.m. Swine Check Out

Members last name A – G

11:00 a.m. – 1:00 p.m. Swine Check-In & Vet Check
Budweiser Event Center

Members last name H – L

1:30 p.m. – 3:00 p.m. Swine Show
Budweiser Event Center

3:30 p.m. – 4:15 p.m. Swine Check Out

Members last name H – L

4:30 p.m. – 6:30 p.m. Swine Check-In & Vet Check
Budweiser Event Center

Members last name M – R

7:00 p.m. – 9:00 p.m. Swine Show
Budweiser Event Center

9:30 p.m. – 10:15 p.m. Swine Check Out

Members last name M – R

SATURDAY, AUGUST 1

5:00 a.m. – 7:00 a.m. Swine Check-In & Vet Check
Budweiser Event Center

Members last name S – Z

8:00 a.m. – 9:30 a.m. Swine Show
Budweiser Event Center

10:00 a.m. – 10:45 a.m. Swine Check Out

Members last name S – Z

12:00 noon – 2:00 p.m. Dairy Cattle Check-In & Vet Check

Longhorn Outdoor Arena

2:30 p.m. – 4:30 p.m. Dairy Cattle Show

Longhorn Outdoor Arena

5:00 p.m. – 5:45 p.m. Dairy Cattle Check Out

2020 Larimer County Fair Schedule of Events

SCHEDULE as of July 2, 2020 ---- SCHEDULE SUBJECT TO CHANGE

SUNDAY, AUGUST 2

6:00 a.m. – 8:00 a.m. Beef Check-In & Vet Check
Longhorn Outdoor Arena
Members last name A – H

8:30 a.m. – 10:00 a.m. Beef Show
Longhorn Outdoor Arena

10:30 a.m. – 11:15 a.m. Beef Check Out
Members last name A – H

11:30 a.m. – 1:30 p.m. Beef Check-In & Vet Check
Longhorn Outdoor Arena
Members last name I – R

2:00 p.m. – 3:30 p.m. Beef Show
Longhorn Outdoor Arena

4:00 p.m. – 4:45 p.m. Beef Check Out
Members last name I – R

5:00 p.m. – 7:00 p.m. Beef Check-In & Vet Check
Longhorn Outdoor Arena
Members last name S – Z

7:30 p.m. – 9:00 p.m. Beef Show
Longhorn Outdoor Arena

9:30 p.m. – 10:15 p.m. Beef Check Out
Members last name S – Z

MONDAY, AUGUST 3

7:00 a.m. – 9:30 a.m. Poultry Check-In & Vet Check
Budweiser Event Center
Members last name A – K

9:30 p.m. – 12:00 noon Poultry Check-In & Vet Check
Budweiser Event Center
Members last name L – Z

1:00 p.m. – 7:00 p.m. Poultry Judging
Budweiser Event Center

TUESDAY, AUGUST 4

8:00 a.m. – 10:30 a.m. Poultry Check Out
Members last name A – K
TBD

10:30 a.m. – 1:00 p.m. Poultry Check Out
Members Check Out L – Z

WEDNESDAY, AUGUST 5 JUNIOR LIVESTOCK SALE DAY

TBD

4-H Family/Consumer Division

(Static Projects)

Extension Contact – 4-H Agent

General Rules

1. **Entries** - Prior entry is required in all departments. Entries are due by **July 13. (Be watching for entry information.)**

NO LATE ENTRIES WILL BE ACCEPTED.

2. **All project areas will be Judged as static. We will not have Interview Judging as a part of the judging this year.**

3. **Exhibit check-in dates still to be determined. Location still to be determined. Specific information will be provided.**

4. Ages for the Junior and Senior classes are as follows:
Junior – members ages 8 - 13, as of December 31, 2019.
Senior – members 14 and over, as of December 31, 2019.
When classes include Junior, Intermediate and Senior, class divisions are as follows:
Junior – ages 8 - 10, as of December 31, 2019.
Intermediate – ages 11 - 13, as of December 31, 2019.
Senior – ages 14 - 18, as of December 31, 2019.

5. **Entry labels:** Each exhibit and sturdy binder (containing e-Record and other materials) is to have a label containing the following: **county name, county number (636), exhibitor name and age.** All exhibits must be accompanied by a completed label. For security reasons, do not list the member address on projects.

6. 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 www.larimer.extension.colostate.edu Click on 4-H Home, then 4-H Projects. Select your project from the list and find your e-record or you can obtain one from the Extension Office.

7. **Exhibits must be completed** by the individual in whose name they are entered and since Fair 2019.

8. 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.

9. **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

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

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

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

13. **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.**

14. **Exhibit check out still to be determined. Specific information will be provided at a later date. All exhibits must be picked up on the day specified as we do not have a place to store them.**

15. The champion exhibit in each class will represent Larimer County at the State Fair, except where otherwise indicated.

State Fair check-in information will be given out at a later date.

Special Awards will not be given this year.

Department SR Fashion Revue

Superintendent – Jo Ann Belk

Narration forms are required for Fashion Revue as well as entering Fashion Revue through the FairEntry system.

Judging for the 2020 Fashion Revue will be virtual. Contestants will upload a 1.5 - 2 minute video of themselves modeling their outfit/accessory as well as email a narration form to Jo Ann Belk at csuramfans@msn.com by July 13. To access the narration form, go to <http://larimer.extension.colostate.edu/larimer-county-fair/>. Guidelines and submission details will be emailed. No late submissions will be accepted.

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. **Accessories – This class is not eligible for State Fair, as it is not meant to be a garment. Examples of what can be entered into this class: shawl, scarf, hat, shoes, socks, hand bag, etc.**

6. Members must be enrolled in the unit(s) they model. Garments exhibited at the Fair must be the same as modeled in Fashion Revue.

7. **Buymanship open only to Intermediate and Senior members.**

8. **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 two or three 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.

Department T
Clothing
Superintendent -

1. With these sewing manuals, a member may stay in the manuals until they have mastered the techniques. Beginning Clothing STEAM 1 is for beginner sewers, those with little to no experience. Beginning Clothing STEAM 2 is for sewers that are familiar with the basic techniques and ready to learn more advanced skills. Clothing STEAM 3 is for the advanced sewer who wants to learn more about tailoring and advanced skills. Clothing STEAM 3 is for Intermediates and Seniors.

2. Requirement: All exhibit garments must be labeled with name, age, county, county code 636 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 7 – Sewing for Others.

11. All 4-H Clothing exhibits must be checked in on July 28, 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.**

Beginning Clothing STEAM 1

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 in STEAM Clothing 1.

Class

2801. Pillowcase - Junior

Beginning Clothing STEAM 1

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 the skills learned in STEAM Clothing 1.

Class

2802. Simple Pillow - Junior

Beginning STEAM Clothing 1

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 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 **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

Clothing STEAM 2

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 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 **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

Unit 7

Sewing for Others

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

Unit 8

Recycled Clothing

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

2833.Recycled Clothing - Junior
 2834.Recycled Clothing - Intermediate
 2835.Recycled Clothing - Senior

Advanced Clothing STEAM 3

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.

Clothing STEAM 3

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

Artistic Clothing

1. Exhibit Requirements For All Upcycle Your Style Classes

Include:

A. Requirement: All exhibit garments must be labeled with name, age, county, county code 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

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, appliques, tie-dye.

Class

2901. Applied - Junior

2902. Applied - Intermediate

2903. Applied - Senior

Upcycle Your Style – Stitched

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

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 5 Creative Sewing

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

- 2910. Costumes - Junior
- 2911. Costumes - Intermediate
- 2912. Costumes - Senior
- 2913. All Other Exhibits - Junior
- 2914. All Other Exhibits - Intermediate
- 2915. All Other Exhibits - Senior

Unit 7

Create Your Own

Exploration of Textiles & Clothing

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

- 2916. Create Your Own - Intermediate
- 2917. Create Your Own - Senior

Unit 8

Buymanship

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

- 2918. Buymanship - Intermediate
- 2919. Buymanship - Senior

Department U Heritage Arts

All exhibits are limited to those which use fibers or fabrics, except Ethnic Arts, Open Option.

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 and county code 636 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, knitting, needle arts, macramé, quilting, rug making) 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

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

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

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

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

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:

- a. Simple pieced quilt
- b. Pillow sham
- c. Two placemats or a table runner
- d. Wall hanging
- e. Unlined bag

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. The exhibit should not use advance quilting techniques used in higher units. Examples of advanced skills are: paper or curved piecing, fussy cutting, or appliqué.

Class

3213. Quilting – Unit 1 - Junior

3214.Quilting – Unit 1 - Intermediate

3215. Quilting – Unit 1 - Senior

Unit 2

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 quilt (minimum size 36" x 36" and no maximum). Quilt and record book should demonstrate at least three skills learned (examples include but not limited to layering or stacking, batting, marking, separate straight or bias binding, straight line block patterns, triangle patterns, labeling, and fabric selection).

D. Exhibit items must be quilted - hand, machine or tied.

E. Quilt must be finished with a separate straight or bias binding by machine or hand.

Class

3216.Quilting – Unit 2 - Junior

3217. Quilting – Unit 2 - Intermediate

3218. Quilting – Unit 2 - Senior

Unit 3

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 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. **One finished quilt (no minimum or maximum size).** Quilt should demonstrate at least three advanced skills learned (examples include but not limited to use of templates, circles and curves piecing, Y-seams, applique, foundation piecing, mitered corners and advanced edging, embellishments, and challenging fabrics).

2. A set of up to three coordinated pieces illustrating at least three advanced skills (examples include but not limited to use of templates, circles and curves piecing, Y-seams, applique, foundation piecing, mitered corners and advanced edging, embellishments, and challenging fabrics).

E. Exhibit item can be hand or machine quilted/stitched, tied or a combination if it fits the design of the quilt.

Class

- 3219.Quilting – Unit 3 - Junior
- 3220.Quilting – Unit 3 - Intermediate
- 3221.Quilting – Unit 3 - Senior

Unit 4
Original Design

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 the original design. Item can have traditional or artistic design. Items could include **one** of the following:

- a. Quilt for bed, wall table or other display (no minimum or maximum size)
- b. Wearable garment

D. Exhibit item must be hand or machine quilted/stitched, tied, or a combination if it fits the design of the quilt.

Class

- 3222. Quilting – Unit 4 Original Design - Junior
- 3223. Quilting – Unit 4 Original Design - Intermediate
- 3224. Quilting – Unit 4 Original Design - Senior

Department W Foods and Nutrition

Superintendent – Christina Ruffatti

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.
- 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

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

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

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

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 25

Outdoor Cooking and Living

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 30

Cultural Foods

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 35

Passport to Foreign Cookery

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 their 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

Department W 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 2019

Green Beans

hot pack, 1/2 tsp. salt

pressure canned at 12 ½ lbs.
25 minutes at 5,000 feet
July 2020

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 2020

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 40 & 41 Freezing and Drying

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 42 Boiling Water Canning

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 43
Pressure Canning

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

Department W
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

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. Fondant may be used for decorations only 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

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.

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

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

Unit 4

Cake Decorating - Character Cakes

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 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 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. **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

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. **three** 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 cupcakes on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **three** 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 ¾") 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

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. **three** 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 four cupcake batches and exhibit cupcake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **three** 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

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. **three** 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 four batches of cupcakes and exhibit cupcake on the expense page in the Cake Decorating e-Record.

C. Include photos or drawings of the **three** 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

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 three 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. 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. Frosting must cover the cookie and provide a base for decorations. One-fourth of the frosting must be visible on at least one cookie. Fondant and royal icing can 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

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 three 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 6" in height and maximum 12" in height cookies creating one design or theme where cookies are stacked on top of each other and decorated. 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. Spatula painting and brush striping are optional. Frosting must cover the cookie and provide a base for decorations. One-fourth of the frosting must be visible on at least one cookie. Fondant and royal icing can 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

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 4):

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 three 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". Cookies are decorated using frosting and edible materials. Spatula painting and brush striping are optional. Frosting must cover the cookie and provide a base for decorations. One-fourth of the frosting must be visible on at least one cookie. Fondant and royal icing can be used only for decorations. The structure should be placed on a 14" x 14" disposable base. The structure may be placed in a glass case. 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

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 **three** 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.**

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 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

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 3 of the 5 covered with 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 **three** 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

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 at least 2 of the cakes 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 **three** 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.
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

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.

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

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, 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 three molded items in addition to photos of you working on your project in the record photo page.

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

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 to provide evidence of your accomplishments. This notebook is considered to be 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. Display must not require over 1' x 1' area or consist of more than three items.

Class

2642. Cake Decorating – Unit 12 – Senior

Department Y

Home Design and Décor

1. All exhibits items must have the name, age, county and county code 636 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

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

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

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

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

Department Z1 Ceramics

1. All exhibits must have the name, age, county and county code 636 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. For examples of technique sheets, go to <http://co4h.colostate.edu/program-areas/projects/>
7. **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)

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)

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)

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)

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)

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 – Porcelain Dolls – Unit 5 - Junior
- 1723. Ceramics Porcelain Dolls – Unit 5 - Intermediate
- 1724. Ceramics Porcelain Dolls – Unit 5 - Senior

Unit 6

Hand-Constructed In Stoneware

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 – Hand Constructed – Unit 6 - Junior
- 1726. Ceramics – Hand Constructed – Unit 6 – Intermediate
- 1727. Ceramics – Hand Constructed – Unit 6 - Senior

Department Z2 Scrapbooking

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

Members who are exhibiting several classes may copy their e-record. Each exhibit (class) must have an e-record. Be sure to highlight what you are exhibiting in your e-record.

Scrapbooking One Page Layout

All exhibits will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
1. Seniors shall complete Senior Project on page 32 of manual for a single page layout rather than the specified two-page layout. Place information in the e-Record on the Specific Information Page.
 2. Complete activities 1, 2, & 3 in manual and place in record book. Activities will be discussed during interview.
- B. One page layout scrapbook page 8 ½" x 11" or 12" x 12".
1. Page shall contain the following techniques:
Juniors: at least two (2) techniques from the album technique list.
Intermediates: at least two (2) techniques from the album technique list.
Seniors: at least three (3) techniques from the album technique list.
Create a page that is pleasing to the eye, items are not cluttered, and colors are appropriate to subject matter.
 2. Exhibited in a three-ring binder or scrapbook binder.
 3. List techniques in story.
- C. Journaling and titling must be included on the one page.
- D. If memorabilia is utilized, it must be placed in an archival safe sleeve.

Class

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

Scrapbooking Two Page Layout

All exhibits will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
1. Seniors shall complete Senior Project on page 32 of manual. Place information in the e-Record on the Specific Information Page.
 2. Complete activities 1, 2, & 3 in manual and place in record book. Activities will be discussed during interview.
- 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 the following techniques:
Juniors: at least two (2) techniques from the album technique list.
Intermediates: at least three (3) techniques from the album technique list.
Seniors: at least four (4) techniques from the album technique list.
 3. Exhibited in a three-ring binder or scrapbook binder.

- C. Journaling and titling must be included on the two page layout.
D. If memorabilia is utilized, it must be placed in an archival safe sleeve.

Class

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

Scrapbooking Album

All exhibits will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
1. Complete activities 1, 2, & 3 in manual and place in record book. Activities will be discussed during interview.
 2. Seniors shall complete Senior Project on page 32 of manual. Place completed project in record book on the specific information page.
- B. Completed album must contain eight (8) pages, designed on both front and back, for a total of sixteen (16) pages.
1. Pages must be exhibited between a sturdy front and back cover with each page in a protective sleeve-archival safe. Memorabilia shall be encased in protective sleeve and **must include required techniques to be part of the page count**, but, does not count as a required page if placed in a separate sleeve. 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. Include technique list, per page 5 of manual, on inside front cover of album. Mark album pages to correspond with technique list so the judge can easily find them (ex: number bottom corner of page protector).
 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, why?
 - c. Title your 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.**

C. Technique List:

Junior - 5 techniques (mark the pages where the techniques are located in the album):

1. Stickers or Die Cuts or Craft Punch
2. Cutting or Tearing
3. Photo matting (single or double)
4. (2) Enlarged Photos (minimum size 5"x 7"), one must be black and white or sepia.
5. Two-page layout coordinated and themed.

Intermediate - 9 techniques (mark the pages where the techniques are located in the album):

1. Stickers or Die Cuts
2. Cutting and Tearing
3. Photo matting (single or double)
4. Craft Punch
5. Inking/Stamping
6. Two (2) enlarged photos (minimum size 5" x 7"), one must be black and white or sepia.
7. Memorabilia (in protective sleeve-archival safe)

8. Dimensional Embellishment (buttons, beads, bling, eyelets, brads, etc.)
9. Two-page layout coordinated and themed.

Senior – 15 techniques (mark the pages where the techniques are located in the album):

1. Stickers or Die Cuts
2. Cutting and tearing
3. Double Photo Matting
4. (2) Enlarged Photos (minimum size 5" x 7"), one must be black and white or sepia.
5. Inking/Stamping/Coloring
6. Create a Border
7. Fibers
8. Buttons or beads
9. Eyelets and brads
10. Rub-ons or embossing
11. Craft punches
12. Chipboard
13. Dimensional Design (may use another technique to create dimensional design, such as die-cut and stamping. Does not count as two techniques.)
14. Two-page layout, coordinate and themed.
15. Memorabilia (in protective sleeve-archival safe)

Class

2307. Junior Scrapbook Album
 2308. Intermediate Scrapbook Album
 2309. Senior Scrapbook Album

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

All exhibits will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- 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.
- C. No commercial based cards can be used.
- D. Four (4) techniques are required, at least three (3) per card **from the techniques listed in the album.**
- E. **List the techniques used in your story.**

Class

2310. Intermediate Card Making
 2311. Senior Card Making

Department Z3 Visual Arts

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.**

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

Unit 1

Portfolio Pathways

Painting, Printing and Graphic Design

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 mat 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

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.

Department Z4 Leadership

Unit 1

Individual Skills for Younger Members

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

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

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 I 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

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

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)

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.

4-H General Division

(Static Projects)

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

Rules

1. **Entries** - Prior entry is required in all departments. Entries are due by **July 13. (Be watching for entry information.)**

NO LATE ENTRIES WILL BE ACCEPTED.

2. **All project areas will be Judged as static. We will not have Interview Judging as a part of the judging this year.**

3. **Exhibit check-in dates still to be determined. Location still to be determined. Specific information will be provided.**

4. Ages for the Junior and Senior classes are as follows:
Junior – members ages 8 - 13, as of December 31, 2019.
Senior – members 14 and over, as of December 31, 2019.
When classes include Junior, Intermediate and Senior, class divisions are as follows:
Junior - 8 to 10 years, as of December 31, 2019
Intermediate - 11 to 13 years, as of December 31, 2019
Senior - 14 years and over, as of December 31, 2019

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

6. Completed records must accompany all 4-H General projects. Members are to fill out an e-record and include the proper project information and present it in a sturdy binder/notebook. You may find the e-record at <https://larimer.extension.colostate.edu> Click on 4-H Home, then 4-H Projects. Select your project from the list and find your e-record or you can obtain one from the Extension Office.

7. **Exhibits must be completed** by the individual in whose name they are entered and since Fair 2019.

8. 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.

9. **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.

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

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

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

13. Exhibit check out still to be determined. Specific information will be provided at a later date. All exhibits must be picked up on the day specified as we do not have a place to store them.

14. The champion exhibit in each class will represent Larimer County at the State Fair, except where otherwise indicated.

State Fair check-in information will be given out at a later date.

Special Awards will not be given this year.

Displays for County Fair 4-H Exhibits

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

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

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

Tips

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

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

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

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

5. Tell your story with visuals.

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

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

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

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

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

2. Stacks easily and lies flat.

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

Department L
Animal Science
Veterinary Science

Exhibit Requirements

All exhibits will consist of the following:

A. A project manual and e-Record presented in a sturdy binder/notebook including these items: manual with appropriate sections completed, e-Record and other attachments related to activities in the manual. Do a minimum of seven activities, any combination of activities and booster shots.

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

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

Unit 1
From Airedales to Zebras

Class

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

Unit 2
All Systems Go

Class

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

Unit 3
On the Cutting Edge

Class

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

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

Department L

Horseless Horse

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. Unit1 – 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

Department L

Cats

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

Department M
Biological Science
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 items: manual with appropriate sections completed, (example – first year member will do activities 1a, 2a, 3a, 4a, 5a, 6a, then in the second year in the same manual the member will do 1b, 2b, 3b, 4b, 5b, 6b, etc.) e-Record and other drawings or attachments related to activities in the manual.

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

Unit 1
See Them Sprout

Class

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

Unit 2
Let's Get Growing

Class

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

Unit 3
Take Your Pick

Class

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

Unit 4
Growing Profits

Class

- 410. Unit 4 – Growing Profits – Senior Advanced

Department O

Mechanical Sciences

Computers

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

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

All exhibits will consist of the following:

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

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

1. A display board illustrating a topic learned as a part of the 4-H project. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.
2. Programming Exhibit (a printed copy of a digital presentation is required and placed in your e-record). Electronic equipment will only be used during judging time and will not remain on display during the Fair. Programs available online (such as Scratch) should include a link to the specific project you have created:

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

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

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

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

Discovering Computer Science & Programming Through Scratch – Level 1 Display Board Exhibits

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

Beginning Programming

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

Stand-Alone Exhibits

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

Discovering Computer Science & Programming Through Scratch – Level 2 Display Board Exhibits

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

Intermediate Programming

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

Stand-Alone Exhibits

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

Discovering Computer Science & Programming Through Scratch – Level 3 Display Board Exhibits

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

Advanced Programming

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

Stand-Alone Exhibits

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

Computers in the 21st Century Display Board Exhibits

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

Stand-Alone Exhibits

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

Department O Electrics

Unit 1 Magic of Electricity

Exhibit will consist of the following:

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

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

Class

701. Unit 1 - Magic of Electricity - Junior

702. Unit 1 - Magic of Electricity - Intermediate

703. Unit 1 – Magic of Electricity - Senior

Unit 2 Investigating Electricity

Exhibit will consist of the following:

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

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

Class

704. Unit 2 - Investigating Electricity - Junior

705. Unit 2 - Investigating Electricity - Intermediate

706. Unit 2 - Investigating Electricity - Senior

Unit 3 Wired for Power

Exhibit will consist of the following:

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

B. One article or display board (**not both**) which you have made as a part of this unit of study. (Example: electrical tool and supply kit, display of symbols on wires and cables and their meanings, display of light bulbs and the jobs they do best, display board on how to read an appliance name tag, chart showing the electrical usage of appliances, display board on how to replace a switch, etc.) The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Class

707. Unit 3 - Wired for Power - Junior

708. Unit 3 - Wired for Power - Intermediate

709. Unit 3 - Wired for Power - Senior

Unit 4 Entering Electronics

Exhibit will consist of the following:

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

B. One article or display board (**not both**) which you made as a part of this unit of study. (Example: display of electronic parts, diode, transistor, light emitting diode (LED), LED flasher photocell alarm, light meter, silicon-controlled rectifier (SCR) intruder alarm, 6 - 8 watt amplifier with integrated circuit, etc.) The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Class

710. Unit 4 - Entering Electronics - Senior

Department O
Model Rocketry
Model Rocketry (Exhibit)
 Superintendent – Ryan Gebhardt

Note to all units:

1. Rocket exhibits must relate to the skill level for the unit entered. Units 1 - 4 should include the color picture of the rocket and skill level title from the rocket-kit package as part of their record book. All project material must be organized and secured in a sturdy binder/notebook. Unit 6 must have a copy of plans or blueprints including instructions "step by step" to build the rocket.

2. Fins must be balsa wood (**balsa and basswood**) and finished with paint in classes indicated. **No plastic fins for Unit 1 – 3.**

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

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

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

Note to all units:

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

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

Note: Please read specific rules for your Unit.

Unit 1
Introduction to Rocketry
(Must sign up for Model Rocketry Fly Day separately. See page 83.)

Exhibit will consist of the following:

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

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

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

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

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

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

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

Balsa Fins Only
Class

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

Unit 2
Basic Model Rocketry

(Must sign up for Model Rocketry Fly Day separately. See page 83.)

Exhibit will consist of the following:

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

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

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

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

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

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

Balsa Fins Only
Class

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

Unit 3
Intermediate Model Rocketry

(Must sign up for Model Rocketry Fly Day separately. See page 83.)

Exhibit will consist of the following:

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

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

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

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

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

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

Balsa Fins Only

Class

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

Unit 4

Advanced Model Rocketry

(Must sign up for Model Rocketry Fly Day separately. See page 83.)

Exhibit will consist of the following:

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

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

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

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

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

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

Finished fins of any type

Class

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

Unit 6

Designer Model Rocketry

(Must sign up for Model Rocketry Fly Day separately. See page 83.)

Exhibit will consist of the following:

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

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

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

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

Finished fins of any type

Class

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

Department O
Model Rocketry Fly Day

Superintendent – Ryan Gebhardt

Saturday, July 25, 8:00 a.m. - The Ranch

Prior Entry Required

1. All rockets must have a label specifying the rocket skill level and must be brought to Fly Day to compete.
2. Exhibitor must fly a rocket pertaining to the skill level in which they are entered. Your exhibit rocket cannot be used for Fly Day, and your Fly Day rocket cannot be used for exhibit. **Member must fly in unit enrolled.**
3. Units 1 - 4 must have a colored picture of their rocket from kit or catalog with proof of skill level and recommended first flight engine. Unit 6 must state the size of their first flight engine at check-in.
4. Rockets must be launched with **first flight engines only** and use a parachute recovery system. (Streamer and tumble recovery not allowed.)
5. Launching equipment will be set up. Members are to supply their own rocket, engines, parachutes, and wading. A field box is advisable.
6. Each participant will launch their rockets twice, **time, weather, and facilities permitting**. Be prepared for a second launch.
7. Event to be judged on: range safety, construction, flight stability, chute deployment, altitude and landing.
8. Level 4 rocketeers may use level IV or V rockets.
9. Rockets entered in state fair judging may not be used for Rocket Fly Day competition.
10. If you would like your Fly Day Rocket displayed at Fair, bring your rocket and awards on Tuesday, July 28, 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

Department O Robotics

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

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

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

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

Unit 1

Junk Drawer Robotics – Give Robotics A Hand

Exhibit will consist of the following:

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

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

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

Display Board Exhibits

Class

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

Stand-Alone Exhibits

Class

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

Unit 2

Junk Drawer Robotics – Robots On The Move

Exhibit will consist of the following:

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

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

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

Display Board Exhibits

Class

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

Stand-Alone Exhibits

Class

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

Unit 3

Junk Drawer Robotics – Mechatronics

Exhibit will consist of the following:

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

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

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

Display Board Exhibits

Class

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

Stand-Alone Exhibits

Class

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

Unit 4

Robotics Platforms – Beginner

Exhibit will consist of the following:

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

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

Class

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

Unit 5

Robotics Platforms – Intermediate

Exhibit will consist of the following:

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

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

Class

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

Unit 6

Robotics Platforms – Advanced

Exhibit will consist of the following:

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

Class

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

Unit 7

Team Robotics

Exhibit will consist of the following:

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

Class

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

Department O Small Engines

Unit 1 Crank It Up

Exhibit will consist of the following:

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

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

Class

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

Unit 2 Warm It Up

Exhibit will consist of the following:

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

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

Class

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

Unit 3 Tune It Up

Exhibit will consist of the following:

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

B Exhibit may be a display board on any topic from the Small Engines manual **or** a stand-alone item (**but not both**) such as: air and fuel systems, the electrical systems, a diagram of the engine block, etc. You may use pictures or any records you kept 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 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.)

Department P
Natural Resources
Entomology

Superintendent– Susan Epperson

Note: Entomology Workbook Required

1. Acceptable sizes of handmade Entomology Display Boxes taken from the manual and kit:
 - 12"W x 16"L x 3" Deep
 - 12"W x 18"L x 3 ½" Deep
 - 18"W x 24"L x 3 ½" Deep
2. Glass tops on entomology display cases should slide to the top or side of the case to prevent them from slipping out and breaking when placed on display.
3. Commercially available display cases are acceptable.
4. **Regular insect pins are required in all units.**
5. On Units 2 through 6, records must include date and location where insects were collected. Place this information on labels attached to insect pins.

Unit 1

Let's Learn About Insects

Exhibit will consist of the following:

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

Class

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

Unit 2

Learn More About Insects

Exhibit will consist of the following:

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

Class

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

Unit 3

Insect Habits and Controls

Exhibit will consist of the following:

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

Class

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

Unit 4

Insect Identification and Community Projects

Exhibit will consist of the following:

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

Class

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

Unit 5

Immature Insects and Life Stages

Exhibit will consist of the following:

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

Class

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

Unit 6

Exploring With Insects

Exhibit will consist of the following:

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

- B. Report on at least three special activities and include them in the e-Record before the story.

- C. Insect collection: display no fewer than 50 insects from a single insect order with no more than 3 specimens of the same insect. Records must include data and location where insects were collected. Place this information on labels attached to pins. Standard-sized display boxes with removable glass covers are required.

Class

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

Unit 7

Exploring with Insects – Advanced

Exhibit will consist of the following:

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

- B. A display board representing some phase of special project work. This could include a chart or special equipment used or developed. The standardized display board size of 4' x 3' is to be used. No additional items may be included in front of display board.

Class

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

Department P

Outdoor Adventures

Exhibit Requirements

All exhibits will consist of the following:

A. A completed project manual (at least 6 chapter activities and at least 6 Reach the Peak activities completed each year) and e-Record in a sturdy binder/notebook including these items: appropriate sections in manual completed, e-Record and other items or attachments related to the activities in the manual. List the day, month, and year for the date of completed activities on page 4.

B. A display board illustrating a topic investigated during the project year. You may use diagrams, drawings, charts and photographs. Label and use captions to make your display as educational as possible. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board.

Unit 1

Hiking Trails

Class

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

Unit 2

Camping Adventures

Class

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

Unit 3

Backpacking Expeditions

Class

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

Department P

Shooting Sports

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

Project Exhibit Rules/Requirements

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

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

3. Display may be a display board or a stand-alone display. The standardized display board size of 4' x 3' is to be used. No additional items may be included on or in front of display board. No display boards or decorative items are allowed in the Stand Alone classes.

4. All Stand Alone Exhibits must attach a page explaining:
A. What the project is?
B. How is used?
C. How was it made?

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

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

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

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

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

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

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 86.

Archery

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

Air Rifle

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

Shotgun

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

Air Pistol

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

.22 Rifle

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

.22 Pistol

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

Western Heritage

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

Outdoor Skills

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

Black Powder Muzzleloading

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

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

Department P Sportfishing

Exhibit Requirements

All exhibits will consist of the following:

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

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

1. Record each fishing experience:
 - a. date
 - b. location
 - c. type (pond, lake, reservoir, stream, river or other body)
 - d. name of body of water
 - e. if you catch fish (if no, what do you think the reason was for not catching fish)
 - f. if yes, include the following weather information about the day: time of day, air temperature, water temperature; cloud cover and other information about the weather.
2. Complete a Catch and Release Fish for your five best fish, caught and released **or** your five best fish kept, depending on legal limits.
 - a. species, length (nose to tail)
 - b. girth (around middle)
 - c. approximate weight
3. Complete a Fishing Journal for each trip (whether you caught fish or not):
 - a. rod and reel used
 - b. types of rig/bait/lure used
 - c. technique used
 - d. types of structure fished
 - e. other things you want to remember about this trip

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

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

E. No knives to be displayed.

Unit 1 Take the Bait

Class

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

Unit 2 Reel in the Fun

Class

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

Unit 3 Cast Into the Future

Class

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

Sportfishing Stand Alone Classes

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

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

Unit 1 Take the Bait

Class

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

Unit 2 Reel in the Fun

Class

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

Unit 3 Cast Into the Future

Class

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

Department P

Wildlife Conservation

Exhibit Requirements

All exhibits will consist of the following:

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

Unit 1

The Worth of Wild Roots

Class

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

Unit 2

Living Wild in an Ecosystem

Class

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

Unit 3

Managing in a World

Class

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

Stand-Alone Items

(For all Units)

Class

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

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

Global Citizenship

No Display Boards

Unit 1

Study of Another Country

Exhibit will consist of the following:

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

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

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

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

Section 4: List the resources you 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 will consist of the following:

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

1. Preparation for your Exchangee’s Arrival – page 3 of manual.
2. The Arrival – pages 3 & 4 of manual
3. During the Stay – page 4 of manual
4. After Departure – page 4 of manual
5. Resources – page 5 of manual

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

1804.Unit 2 – Host a Delegate - Junior

1805. Unit 2 – Host a Delegate - Intermediate

1806. Unit 2 – Host a Delegate - Senior

Unit 3

**Youth Counselor For Inbound International
Delegation**

Exhibit will consist of the following:

A. Serve as a teen counselor at a standard international-program event for incoming delegates from another country or culture.

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

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

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

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

Class

1807.Unit 3 – Youth Counselor - Intermediate

1808.Unit 3 – Youth Counselor - Senior

Unit 4

Exchange Delegate to Another Country

Exhibit will consist of the following:

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

1. Before Departure – pages 5 & 6 of manual
2. During the Stay – page 6 of manual
3. In-depth Observation – page 6 of manual
4. Return to the United State – page 6 of manual
5. Resources – page 6 of manual

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

Class

1809. Unit 4 – Exchange Delegate - Intermediate

1810. Unit 4 – Exchange Delegate - Senior

Department Q Leathercraft

Project Exhibit Rules for All Units:

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

6. Definitions:

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

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

Cord – is round and waxed thread.

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

Background Dyeing – dyeing a solid color to the area tooled with the 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 will consist of the following:

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

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

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

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

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

Class

2001. Unit 1 – Intro to Leathercraft - Junior
2002. Unit 1 – Intro to Leathercraft - Intermediate
2003. Unit 1 – Intro to Leathercraft - Senior

Unit 2

Beginning Leather Carving

Exhibit will consist of the following:

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

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

1. Three samples with labels showing:
 - a. Use of swivel knife and camouflage tool.
 - b. Steps shown in sample as well as use of pear shader, beveller and veiner.
 - c. Steps shown in samples a and b as well as use of seeder, backgrounder and decorative cuts. Clear leather finish applied to sample c (optional for samples a and b). **Note: The labels should reflect the tools used for each sample.**

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

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

Class

2004. Unit 2 – Beginning Leather Carving - Junior
2005. Unit 2 – Beginning Leather Carving - Intermediate
2006. Unit 2 – Beginning Leather Carving - Senior

Unit 3

Intermediate Leather Carving

Exhibit will consist of the following:

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

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

Note: No pictorial carving (framed pictures) or figure carving (realistic animal and human figures). No solid color dyeing, 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 will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
- B. Any article or set, other than a picture, of either conventional or realistic design, demonstrating one or more of the major skills learned in this unit: figure carving, embossing, or filigree work. Background dyeing, antiquing and two-tone finishing is optional in this unit.
Note: Solid color dyeing and color shading will not be permitted in Unit 4.

Class

2010.Unit 4 – Advanced Leather Carving - Junior
2011.Unit 4 – Advanced Leather Carving - Intermediate
2012.Unit 4 – Advanced Leather Carving - Senior

Unit 5

Coloring and Shading

Exhibit will consist of the following:

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

Class

2013.Unit 5 – Coloring & Shading - Junior
2014.Unit 5 – Coloring & Shading - Intermediate
2015.Unit 5 – Coloring & Shading - Senior

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

Unit 6

Pictorial Carving

Exhibit will consist of the following:

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

Class

2016.Unit 6 – Pictorial Carving - Junior
2017.Unit 6 – Pictorial Carving - Intermediate
2018.Unit 6 – Pictorial Carving - Senior

Unit 7

Making and Rebuilding Saddles

Exhibit will consist of the following:

- A. Completed e-Record in a sturdy binder.
- B. One completed saddle. The leather may be either tooled or untooled and may be finished in any suitable fashion.

Class

2019.Unit 7 – Making & Rebuilding Saddles - Junior
2020.Unit 7 – Making & Rebuilding Saddles - Intermediate
2021.Unit 7 – Making & Rebuilding Saddles - Senior

Unit 8

Advanced Creative Stamping

Exhibit will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
- B. One completed article or matching set using creative stamping.

Class

2022.Unit 8 – Advanced Creative Stamping - Junior
2023.Unit 8 – Advanced Creative Stamping - Intermediate
2024.Unit 8 – Advanced Creative Stamping - Senior

Unit 9

Braiding and Untooled

Exhibit will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
- B. One article or matching set illustrating construction by lacing, braiding, expanding, sculpting, untooled leather construction or leather art technique. Exhibit must use non-tooled and non-sewn leather working techniques. (Minimum tooling required for effect is acceptable.)

Class

2025.Unit 9 – Braiding & Untooled - Junior
2026.Unit 9 – Braiding & Untooled - Intermediate
2027.Unit 9 – Braiding & Untooled - Senior

Unit 10

Sewing Leather

Exhibit will consist of the following:

- A. Completed e-Record in a sturdy binder/notebook.
- B. One completed article or garment made by sewing leather.

Class

2028.Unit 10 – Sewing Leather - Junior
2029.Unit 10 – Sewing Leather - Intermediate
2030.Unit 10 – Sewing Leather - Senior

Department Q Photography

Superintendent – Caree Rinebarger

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 cardstock. Use the tips on page 73 of the manuals for mounting the pictures.
3. Display photo may be up to 5” x 7” in size. The photo **must** be mounted on a mat and suitable for hanging without additional frame. No other mounted materials (i.e. glass, wood, plastic, metal, etc.) can be used.
4. All photos in the notebook or manual should be 4” x 6” unless otherwise indicated in the manual. If the photos do not fit on the page, add a page for the photo.
5. **Display photo will be used to display at State Fair so be careful when picking your best photo. Notebooks will not be displayed at State Fair, if selected.**
6. The maximum size for the matted only picture is no larger than 8” x 10” (no frame or glass).
7. Binders/notebooks: Use a hardback, three-ring notebook up to 3” in size for all units. No posters or oversized books. Do not use plastic covers on any pages in any unit. All materials must fit within the notebook. Additional pages can be added as needed to exhibit your photos.
8. For photo exhibits in Levels 1 – 3 follow the tips on page 73 in the manuals. Photos can be mounted on the journal pages or on cardstock. Label format for Units 1 – 4:
Camera Used _____
Journal Page # _____
 (if using cardstock to mount pictures)
Photo # _____
 (left to right and top to bottom)
Subject _____
Date Photo Taken _____
9. Label Format for Unit 6
 Photo # or Media Used _____
 Subject _____
 Date Photo Taken or Date of Film _____
 Notes: _____

Unit 1 Focus On Photography

- Exhibit will consist of the following:**
- A. Completed e-Record. Include the following in your story: what camera you used this year (brand name, film size, etc.), how you stored your pictures and why you picked your Display Photo. **(Also include photos of you working on your project in the e-Record photo page.) Completion of pages 4 – 7 in the manual.**
- B. See Photography rule #8 for labeling instructions.**
- C. Level 1 photo exhibits will consist of the following Photo Journal pages from the manual **(a minimum of 60 photos and maximum of**

- 66 photos)**. Photos may be mounted on cardstock with reference to journal pages.
- Juniors choose 7 photo activities from Numbers 2 – 16 to present in the notebook. Suggested to start with 2 and work down.**
1. Photo Journal Page 7 – 1 photo (**Display Photo**) – **will be displayed-must be matted.**
 2. Photo Journal page 12 – 5 photos
 3. Photo Journal page 16 – 6 photos
 4. Photo Journal page 20 – 6 photos - 3 photos of outdoor scene taken different times (explained in manual page 18); 3 photos of inside scene taken different times (explained in manual page 18) (minimum of 6 photos)
 5. Photo Journal page 24 – 5 photos
 6. Photo Journal page 28 – 4 photos
 7. Photo Journal page 32 – 3 photos
 8. Photo Journal Page 36 – 3 photos
 9. Photo Journal Page 40 – 3 photos
 10. Photo Journal Page 44 – 3 to 5 photos
 11. Photo Journal Page 48 – 4 photos
 12. Photo Journal Page 52 – 4 photos
 13. Photo Journal Page 56 – 3 photos
 14. Photo Journal Page 60 – 3 to 5 story format
 15. Photo Journal Page 64 – 3 to 5 photos
 16. Photo Journal Page 68 – 4 photos

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

Class

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

Unit 2 Controlling the Image

Exhibit will consist of the following:

- A. Completed e-Record. Include the following in your story: what camera you used this year (brand name, film size, etc.), how you stored your pictures and why you picked your Display Photo pictures. **Include photos of you working on your project in the e-Record photo page. Completion of pages 4 – 7 in the manual.**
- B. See Photography rule #8 for labeling instructions.**
- C. Level 2 photo exhibits will consist of the following Photo Journal pages in the manual. (A minimum of 48 photos – Note: This level is for cameras that can be adjusted for speed and lighting.) Photos may be mounted on cardstock with reference to journal pages.
1. Photo Journal page 7 – 1 photo (Display Photo) – **will be displayed-must be matted.**
 2. Photo Journal 12 – 3 still subjects with different aperture settings (explained in manual page 10); 3 moving subjects with different shutter speeds (explained in manual page 10)
 3. Photo Journal page 16 – 6 photos
 4. Photo Journal page 20 – 3 photos (explained in manual on page 18)
 5. Photo Journal page 24 – 4 photos – 2 photos with hard light and 2 photos with soft light
 6. Photo Journal page 28 – 3 photos
 7. Photo Journal page 32 – 3 photos
 8. Photo Journal page 36 – 3 photos
 9. Photo Journal page 40 – 3 photos
 10. Photo Journal page 44 – 3 to 5 photos
 11. Photo Journal page 48 – 1 photo

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

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

Class

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

Unit 3 Mastering Photography

Exhibit will consist of the following:

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

B. See Photography rule #8 for labeling instructions.

C. Level 3 photo exhibits will consist of the following Photo Journal pages from the manual (minimum of 48 photos). Photos may be mounted on cardstock with reference to journal pages.

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

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

Class

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

Unit 4 Lightning Photography

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

Exhibit will consist of the following:

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

B. See Photography rule #8 for labeling instructions.

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

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

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

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

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

Class

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

Unit 6 Advanced Photography

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

Exhibit will consist of the following:

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

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

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

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

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

E. Notebook which illustrates achievements.

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

Class

- 2113.Unit 6 – Advanced Photography - Junior
- 2114.Unit 6 – Advanced Photography - Intermediate
- 2115.Unit 6 – Advanced Photography - Senior

Department Q
4-H Filmmaking
 Superintendent – Caree Rinebarger

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 story board.
- B. Video must be less than 10 minutes in length.
- C. Make sure your video is in good taste (similar to G and PG ratings.) Videos may be disqualified if deemed to have questionable content. 4-H Code of Conduct must be followed.
- D. A link must be provided to view the video.** Members must supply the following information:
 1. Name
 2. County
 3. Title
 4. Class
 5. 4-H Age
 6. Short Description

Animation

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

Narrative

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

Documentary

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

Promotional

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

Voices of 4-H History

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

Department Q
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.

Note: In making all placings, judges will consider straightness, accuracy and smoothness of saw cuts, the difficulty and preciseness of joints, the skill employed in the use of nails, screws, gluing and other hardware, freedom from tool or sandpaper marks, appropriate finish evenly applied, article attractiveness, proportions and use of proper wood for the intended use, ability to follow instructions, quality of workmanship and completeness of e-Record. Always use proper safety gear. (For large exhibits – like beds – please bring only the head and foot boards. No rails.)

Exhibit Requirements

All exhibits will consist of the following:

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

B. Include the following information on the Woodworking page:

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

The drawing or plan itself will not be judged. It is only for the judge’s use in judging the article exhibited. If the drawing is missing, the exhibit will not be considered for Champion or Reserve Champion.

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

Unit 1
Measuring Up

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

Note: Use hand tools only. Articles made with tools other than hand tools will not be considered for Champion or Reserve Champion.

Unit 2
Making the Cut

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

Note: 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.

Unit 3
Nailing it Together

Class	
2407.	..... Junior
2408.	..... Intermediate
2409.	..... 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.	..... Junior
2411.	..... Intermediate
2412.	..... 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.

Department R
Self-Determined

(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

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.**

Instructions for Family Entry – Larimer County Fair

URL: <http://larimercountyfair.fairentry.com>

Click on the link to open the Larimer County FairEntry system

2020 Larimer County Fair and Rodeo

Registration is currently **Open**

Registration dates: 6/11/2020 - 7/13/2020

Exceptions may apply [View Details](#)

Step 1: Login with your 4HOnline email address and password

If you need assistance, please contact the County Extension Office.

Exhibitor and Staff sign-in



Sign in with 4HOnline

4HOnline - Mozilla Firefox

https://www.4honline.com/Api/Login.aspx?403d40

Colorado State University
Extension

I have a profile
 I forgot my password

Email: kernd@co.larimer.co.us

Password: ●●●●●●●●

Role: Family

Login

Step 2: Choose an Exhibitor

2020 Larimer County Fair and Rodeo Kern ▾

Exhibitors Entries Payment \$0.00

Exhibitors being registered

There are 0 exhibitors in the process of being registered

[+ Register an Exhibitor](#)

Previously Registered Exhibitors

The registration information for an Exhibitor in this list cannot be edited but you can add new Entries.

© 2020 RegistrationMax LLC

Entries are made as Individuals. Click on the Individual button.

2020 Larimer County Fair and Rodeo Kern ▾

Exhibitors Entries Payment \$0.00

Do you want to register an **Individual**?


[Individual](#)

© 2020 RegistrationMax LLC

Choose the Exhibitor you are entering, Click Continue.

New Individual Exhibitor

Select an Existing person to continue...

 Kern, Nikki
12/11/2007 - Age 12

- OR -


Cancel

There are no questions to answer, click on Continue.

2020 Larimer County Fair and Rodeo

Kern -

Exhibitors | Entries | Payment | \$0.00

 Kern, Nikki
12/11/2007 • 12 years old (4-H age) • Grade: 6
#2 4HOnline Larimer

Personal Details | Contact Info | Address | **4** Questions | 5 Review

Questions

There are no questions to answer.

FairEntry

© 2020 RegistrationMax LLC

Check over the information and Click Continue to Entries.

Exhibitors Entries Payment \$0.00

Kern, Nikki
12/11/2007 • 12 years old (4-
H age) • Grade: 6
#2 4HOnline Larimer

Delete this Exhibitor

Personal Details Contact Info Address Questions Review (5)

Please review the exhibitor registration. **Continue to Entries**

Personal Details		Contact Info	
First Name	Nikki	Email	kernd@co.larimer.co.us
Last Name	Kern	Home Phone	970-498-6016
Birthdate	12/11/2007	Cell Phone	
Gender		Cell Phone Carrier	

Address

1525 Blue Spruce Dr
Fort Collins, CO
80524-2004

Additional Questions

There are no questions or answers.

Step 3: Add an Entry

2020 Larimer County Fair and Rodeo Kern

Exhibitors Entries Payment \$0.00

There are 0 entries belonging to 1 exhibitor in this invoice.

Register another Exhibitor

Everything looks good!

Continue to Payment

Kern, Nikki
0 Entries 4HOnline **Add an Entry**

FairEntry © 2020 RegistrationMax LLC

Select Department and then Division, Click "Select" and the Divisions will pop up

Choose Department and Division

4-H Exhibits	Select →
Fashion Revue	Select →
Rocket Fly Day Contest	Select →

Cancel Choose

Choose a Division, then choose a class and click Continue

Choose Department and Division

Department	4-H Exhibits	Change
0100: Veterinary Science	Select →	
0200: Horseless Horse	Select →	
0300: Cats	Select →	
0400: Gardening	Select →	
0600: Computer	Select →	
0700: Electric	Select →	
0800: Model Rocketry	Select →	
0900: Robotics and Engineering	Select →	
1000: Small Engines	Select →	
1100: Entomology	Select →	
1200: Outdoor Adventure	Select →	
1300: Shooting Sports	Select →	
1400: Sportfishing	Select →	
1500: Wildlife	Select →	
1600: Beekeeping	Select →	
1700: Ceramics	Select →	

Exhibitors

Entries

Payment

\$0.00

Create One or More Entries

Exhibitor	Nikki Kern <small>Individual</small> <small>4HOnline</small>	Change
Department / Division	4-H Exhibits / 0100: Veterinary Science	Change

Make your Club and Class selections to continue.

[Continue](#)

Club [Change](#)

Independent 4-H
(Primary Club)

Some Classes in this Division may require you to be enrolled in one of the following 4-H Projects:

- Veterinary Science, Unit 1 (From Airedales to Zebras)
- Veterinary Science, Unit 2 (All Systems Go)
- Veterinary Science, Unit 3 (On the Cutting Edge)

When entering into an Open Class, your club selection will be treated as No Club (Open).

Animal(s)

This Division does not allow animals.

Class or Classes

- 101 Jr.: From Airedales to Zebras
- 102 Int: From Airedales to Zebras
- 103 Sr.: From Airedales to Zebras
- 104 Jr.: All Systems Go
- 105 Int: All Systems Go
- 106 Sr.: All Systems Go
- 107 Jr.: On the Cutting Edge
- 108 Int.: On the Cutting Edge

Confirm your Club and Continue

Exhibitors

Entries

Payment

\$0.00

Entry #1

Kern, Nikki
12/11/2007 • 12 years old (4-H age) • Grade: 6
#2 4HOnline Larimer • Independent

Department	Rocket Fly Day Contest
Division	Rocket Fly Day
Class	671 Jr.: Rocket Fly Day Unit 2 Balsa Fins

[Delete this Entry](#)



Club/Chapter

Please select the 4-H Club or FFA Chapter that is associated with this entry.

Selected Club: None Suggested Club: **Independent** 4-H
(Primary Club for 4HOnline)

[Select this Club](#)

Search...

- Independent** (Larimer) 4-H

1 club is available
Note: no more than 50 clubs are shown at once, so use the search feature to find your club.

[Continue](#)

For some entries, a brief description is required for the entry, then click Continue

2020 Larimer County Fair and Rodeo Kern ▾

Exhibitors **Entries** Payment \$0.00

Entry #1

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[Delete this Entry](#)

1 Club/Chapter 2 Details

Entry Details

Briefly describe your entry.

[Continue →](#)

At anytime, you may Delete the Entry and begin again.

You can then choose to “Add another Entry”, or “Register another Exhibitor” or if you are finished, you can “Continue to Payment”. (There is no charge for these activities)

All family members must be entered before Continuing to Payment

2020 Larimer County Fair and Rodeo Kern ▾

Exhibitors **Entries** Payment \$0.00

Entry #1

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What do you want to do next?

For Nikki Kern:

[+ Add another Entry](#)

[+ Register another Exhibitor](#)

Everything looks good!

[→ Continue to Payment](#)

Use “Add another Entry” to add classes for the same member.

To enter another family member, click on “Register another Exhibitor”

When you are finished entering all family members for the 2020 Larimer County Fair, click Continue to Payment to complete your entries. As you see below, there is no charge to enter these activities.

2020 Larimer County Fair and Rodeo Kern ▾

Exhibitors > Entries > Payment \$0.00

1 Review 2 Payment Method 3 Confirm

Invoice		Summary	Detail
Individual Exhibitor: Nikki Kern			\$0.00
		Total:	\$0.00

[Continue](#)

At anytime, you can click on “Entries” and go back to check your entries or add another entry for that member. You can also register another Exhibitor there.

2020 Larimer County Fair and Rodeo Kern ▾

Exhibitors > Entries > Payment \$0.00

1 Review 2 Payment Method 3 Confirm

One last step!
Agree to the terms below and press submit.

After you Submit	Payment Total
<ul style="list-style-type: none">Records will be locked to editing awaiting manager approvalYour credit card will not be charged until a manager approves the recordsIf the manager does not approve all the records, the amount charged to the credit card may be less than the amount cited here.	No payment is necessary

[Submit](#)

Step 4: Submit your entries

Make sure all of your family members are entered in all of the classes they wish to exhibit in before clicking Submit.

Clicking “Submit” will finalize your entries