

# General and Consumer Science Exhibits

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**County Fair Entries:** Thursday, June 1, 2017

**Project Check-in & Judging:** Monday, July 17, 2017

(See interview judging schedule for time)

## Exhibit Requirements

1. Age Classifications are as follows:
  - Cloverbud: 5-7 years old as of December 31 of the current 4-H year (non-competitive)
  - Junior: 8-10 years old as of December 31 of the current 4-H year
  - Intermediate: 11-13 years old as of December 31 of the current 4-H year
  - Senior: 14-18 years old as of December 31 of the current 4-H year
2. Each member must turn in a County Fair entry for **every project** they wish to exhibit.
3. 4-H members who are enrolled in more than one unit of the same project are permitted to exhibit in as many units as they desire. If the member qualifies in more than one unit for State Fair, only the highest level unit may be entered in State Fair.
4. Youth who are enrolled in a unit with multiple class options may enter in as many classes as they would like. Only one entry per class number is allowed though.
5. Youth may only enter once in each class per year. Each class entry requires a current year's e-record.
6. All Consumer Science and General projects will be **interview judged** according to the schedule that will be made after entry forms are returned. (Parents and leaders may attend the interview judging as an observer if they wish.) If a member will be out of town on the scheduled day, someone else can bring the exhibit and e-record for the member as only the exhibit and e-record are judged. All projects must be completed when delivered to interview judging.
7. All exhibits will be judged using the Danish System. For the Danish System, all exhibits are divided in each class into blue, red, white and participation ribbon groups according to quality.

### Standards for Ribbons

**Blue:** Meets requirements, high quality

**Red:** Meets requirements, average quality

**White:** Exhibit does not meet all requirements, exhibit is below standard quality, improvement needed

**Participation:** Cloverbuds (non-competitive), disqualified exhibits, or exhibition only

Within a class, the judge will compare the blue ribbon quality projects to select a champion and reserve champion ribbon.

Champions in each class will advance on to State Fair.

From all of the champions in each project area (within an age division – junior, intermediate, senior), Overall Grand Champion and Overall Reserve Grand Champion **may** be given in each project area at the judge's discretion.

8. Youth may not enter the same exhibit more than one year.
9. For projects with multiple class entry options per unit/age division (especially foods and clothing), members must declare which class number they are going to compete in by the June 1<sup>st</sup> County Fair Entry deadline. However, members may change **class** numbers up until Friday, July 7, 2017 at 5:00pm. Changes must be submitted in writing via email to the Extension Office. No **unit** changes will be allowed as members must be enrolled in the correct unit prior to the March 1 add/drop

# General and Consumer Science Exhibits

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deadline. Class changes will be allowed in the following project units only:

## Shooting Sports:

- .22 Pistol: Display Board vs Stand-Alone
- .22 Rifle: Display Board vs Stand-Alone
- Air Pistol: Display Board vs Stand-Alone
- Air Rifle: Display Board vs Stand-Alone
- Archery: Display Board vs Stand-Alone
- Muzzleloading: Display Board vs Stand-Alone
- Outdoor Skills: Display Board vs Stand-Alone
- Shotgun: Display Board vs Stand-Alone
- Western Heritage: Display Board vs Stand-Alone

## Clothing & Sewing:

- Artistic Clothing: Applied vs Stitched vs Combo
- Clothing STEAM 1: Pillowcase vs Pillow vs Simple Top vs Simple Bottom vs Simple Dress
- Clothing STEAM 2: Top vs Bottom vs Skirt vs Dress vs Romper vs Two-Piece Outfit
- Clothing STEAM 3: Cotton or Cotton Blend vs Synthetics & Rayon vs Wool & Wool Blend vs Silk & Silk-Like vs Specialty Fabrics
- Sewing Unit 5: Costumes vs All Other Exhibits

## Foods and Cakes:

- Cooking 101 Unit 1: No Bake Bars/Cookies vs Coffeecake vs Cookies
- Cooking 201 Unit 2: Quick Breads vs Scones vs Muffins
- Cooking 301 Unit 3: Shortened Cakes vs Yeast Rolls vs Creative Yeast Bread vs Party Planning
- Cooking 401 Unit 4: Flatbread vs Double Crust Pie vs Celebration Meals
- Cake Decorating Unit 5: Themed vs Stacked vs Character

## Ceramics:

- Ceramics Unit 1: Glazes vs Bisque Option
- Ceramics Unit 2: Underglazes vs Bisque Option
- Ceramics Unit 4: Unfired Finishes vs Bisque Option

## Other/Miscellaneous:

- Filmmaking: Animation vs Narrative vs Documentary vs Promo vs Voices of 4-H History
- Scrapbooking: One Page Layout vs Two Page Layout vs Album vs Card Making
- Visual Arts Unit 2 Portfolio Pathways: Painting, Printing vs Graphic Design
- Child Development: Arts & Crafts vs Play vs Music & Rhythm vs Stories & Poems vs Snacks vs Guidance & Discipline vs Parties vs Mealtime vs Safety vs Careers

10. Best Records: The Best Consumer Science e-Records and the Best General e-Records (excluding Shooting Sports records) will be selected, in each age division, at the County Fair, but not announced until Achievement Night. Youth can only win this award two times. (Shooting sports record book awards are given separately. See Shooting Sports section of the Fair Book.)

11. Judges decisions are final.

12. Exhibits that are not in good taste or suggest any negative connotation will not be displayed, i.e. violence, drugs, alcohol or tobacco.

## Community Pride

Community Pride projects must be entered in the General Department on Interview Judging Day. The exhibits will be judged and displayed during County Fair. An award will be given to the Grand Champion at Achievement Night. Each club is encouraged to participate in community service projects and display

## General and Consumer Science Exhibits

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their Community Pride activities in a three-ring binder or photo album.

### **Cloverbud Project**

Cloverbuds are 4-H members 5-7 years of age and are encouraged to enter an exhibit at County Fair. Cloverbud projects should be entered the same day as the rest of the Consumer Science and General Projects. Cloverbud members may do a single entry or they may choose to do a group project. Each Cloverbud participant will receive a participation ribbon.

### **Self-Determined Project**

The self-determined project is considered a “general 4-H project.” You can exhibit it at the County Fair; however, self-determined projects do not go on to the State Fair.

All self-determined exhibits will consist of the following:

- A. The completed Pueblo County self-determined (general projects) **e-Record and supplement** presented in a sturdy binder/notebook.
  - B. **ONE** of the following:
    - a. A display board illustrating the self-determined topic investigated during the project year. The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects.
- OR**
- b. An item that was created, built, designed, etc. by the 4-H member during the project year related to the self-determined topic.

### **Pueblo County 4-H Photo Contest**

This contest is being revised by the Colorado State 4-H Office. Rules will be posted once they have been finalized.

# 2017 COLORADO STATE FAIR 4-H EXHIBIT REQUIREMENTS

FOR GENERAL, CONSUMER SCIENCES DIVISIONS AND SPECIAL EVENTS  
CAMP TOBIN DEPARTMENT "T"

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### General Superintendents

Barbie Garnett.....	Overall General Superintendent
Lacey Mann.....	Asst. General Building Superintendent
Julia Hurdelbrink.....	Cons. Science Superintendent
Brian Kailey.....	Shooting Sports Superintendent
Mike Grett.....	Co-Display Superintendents
Lois Helgeland.....	Co-Display Superintendents
Maureen Bergenfeld.....	Co-Display Superintendents

**Note:** (J, I, S) = Juniors, Intermediates, Seniors

**All Contest Requirements can be found in the 2017 Contest Requirements at: [www.colorado4h.org](http://www.colorado4h.org)**



# DEPARTMENT T GENERAL AND CONSUMER SCIENCE

## 4-H PROJECT RULES

1. Eligibility: Exhibitors in the divisions of this department must be bona fide members of Colorado 4-H whose projects work **(must be 4-H members' own work and sources must be cited, plagiarism will not be tolerated)** and records are certified and up-to-date and deemed eligible by the appropriate Extension agent. In addition, exhibitors must be at least eight years of age, must not have reached their 19<sup>th</sup> birthday as of December 31 of the current enrollment year and must satisfy other eligibility requirements (if specified) for a class, to compete in that class.
2. 4-H members may enter only once in the same class.
3. Members must be enrolled in the project (which may be broken down into units, levels or categories) in which they exhibit.
4. Only one exhibit in each class will be accepted from each county.
5. **If a member enrolls in two units of the same project (Leathercraft for example: member enrolls in Unit 2 and Unit 3 –they must exhibit is the higher level –Unit 3). When a member takes two units at the same time, they should master the skills of the lower unit and therefore exhibit in the higher unit.**
6. 4-H e-Records may be completed by pencil, ink or computer. The choice will not affect judging.
7. Display boards must meet the specifications. The standardized display board size of 4ft. x 3ft. is to be used for 4-H projects.
8. Projects are divided by Juniors, Intermediates and Seniors age groups. The age for Juniors is 8-10, Intermediates is 11-13 and Seniors is 14-18.
9. Exhibit entries will be done online. The Extension agent is to enter each exhibit online with a **description**.
10. Entry labels: Each exhibit and sturdy binder/notebook (containing e-Record and other materials) is to have a label containing the following: county name, exhibitor name, age, department, division, and class. **The label needs to be on the upper right hand front outside of the binder/notebook (outside) and on the exhibit (usually the back of the exhibit or on the flap).** Be sure to read special instructions on tags for some exhibits, example: leathercraft, clothing, heritage arts, etc. All exhibits must be accompanied by a completed label. For security reasons, do not list the member address on projects.

11. Exhibits are to be entered into the online entries by **5 pm on Monday, August 14**. Exhibits are due to state fair on **Wednesday, August 16 between 8:00 am and 12noon**. **Exhibits will be taken down on Tuesday, September 5. We are asking all counties to come and help take down exhibits and then you can pick up your exhibits. Take down will start at 8:00 am and continue until finished. The 4-H building will be closed and locked at 12 noon. Exhibits left after 12 noon will be the responsibility of the county.**

12. All Champion, Reserve Champion and placing award exhibits must be displayed and remain on display for the duration of the state fair.
13. Any exhibit released for a special state fair activity during the state fair must be returned for display.
14. The management will not be responsible for loss or damage to exhibits, although it will use all care to ensure their safety.
15. Note: Exhibits of unusual size or shape may not be on public display. Exhibitor cards and ribbons will be displayed in project areas. All other projects will be displayed unless there is a safety, health or space issue.

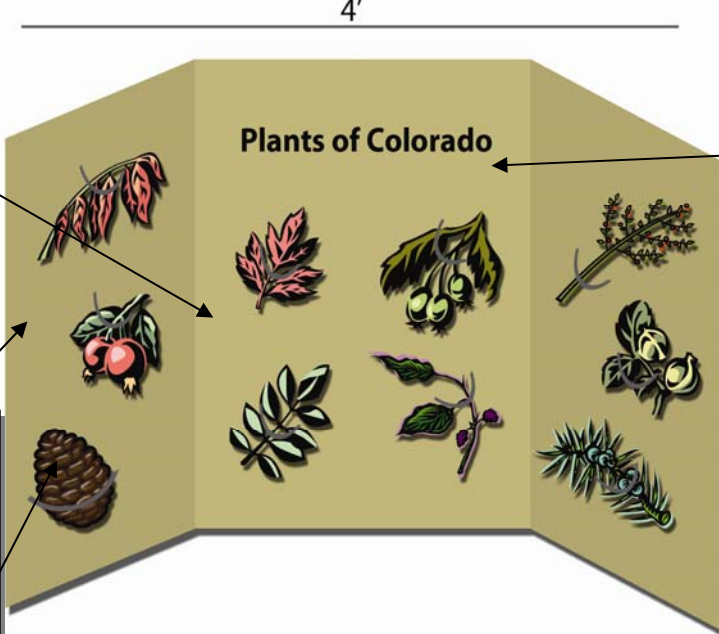
## State Fair Judging/Ribbon Awards

1. **Champion and Reserve Champion ribbons shall be awarded only to exhibits that meet all the exhibit requirements and standards. Third through 10<sup>th</sup>-place ribbons will be awarded accordingly to standards and requirements.**
2. Grand Champion and Reserve Grand Champion exhibitors will be declared in each project of the 4-H section from designated class champions. In the Junior, Intermediate and Senior divisions, a Grand Champion will be selected from all champions from each age category. The remaining class Champion and Reserve Champion exhibit in the class from which the Grand Champion was chosen will be eligible for Reserve Grand Champion consideration.
3. Those exhibits not meeting requirements and standards will be awarded a state fair qualifier ribbon.
4. Items entered in the wrong classes will not be eligible for a placing ribbon.
5. The American System will be used to rank the 4-H exhibits. This system uses product standards and fulfillment of exhibit requirements to rank exhibits. It also uses the idea of competition among exhibitors to establish ranking.

# Display Board Guidelines for State Fair 4-H Exhibits

Display boards are a great way to share information, but when viewers walk by, they spend only 60-90 seconds looking at each display board. Make yours stand out by highlighting the main points of your project in a fun, interesting way.

*Follow these guidelines to create a display board for the state fair.*



**SHAPE**  
Design your exhibit so information fits on the display. Remember, you have 1 large surface, and 2 smaller side wings.

**SPACE**  
Your display should only discuss one main topic. This will help it look neat and uncrowded.

**TEXT**  
Make sure that all the text on your display is easy to read. Use a large font for the title, and smaller fonts for the headings and body text. Text must be readable from 3-5 feet away. Use large bold letters. Dark letters on a light background works best.

**ATTACHMENTS**  
When attaching pictures or objects to your board make sure they are secure. Use glue for pictures and paper, and consider wires, zip ties or staples to attach bulkier items. Do not attach items that are so heavy that your board can't stand or fold.

**SIZE**  
Display boards for the state fair must measure 4 ft. wide x 3 ft. tall. They should be made of lightweight cardboard, but not poster board. Pre-cut boards are available at most craft and shopping centers. No part of your display may extend beyond these boundaries.

## DISPLAY BOOKS

Your e-record book should accompany your board. You may use 3-ring binders or other notebooks that will keep the pages securely inside. You may not use slider-type binders.

Please place a label with the following information in the upper right-hand corner of the front cover:

County, Name, Project Area, and Class  
(See example)

### Sample

Adams County  
010  
Jane Doe  
15  
Animal Science  
Vet Science  
Class 009

# GENERAL DEPARTMENT

## ANIMAL SCIENCE DIVISION 1

### VETERINARY SCIENCE

Note: For more information on displays and projects:  
[www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

Note: Please read 4-H Project Exhibit Rules on page 2.

#### FROM AIREDALES TO ZEBRAS—UNIT 1

Class 101	From Airedales to Zebras	Jr.
Class 102	From Airedales to Zebras	Int.
Class 103	From Airedales to Zebras	Sr.

#### ALL SYSTEMS GO! —UNIT 2

Class 104	All Systems Go	Jr.
Class 105	All Systems Go	Int.
Class 106	All Systems Go	Sr.

#### ON THE CUTTING EDGE—UNIT 3

Class 107	On the Cutting Edge	Jr.
Class 108	On the Cutting Edge	Int.
Class 109	On The Cutting Edge	Sr.

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

All exhibits will consist of the following:

A. A project manual (**Cooperative Curriculum System, CCS—From Airedales to Zebras or All Systems Go or On the Cutting Edge**) 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. These units may be completed in three years.

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

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

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## HORSELESS HORSE

Note: Please read 4-H Project Exhibit Rules on page 2.

### HORSELESS HORSE—UNIT 1

Class 201	Unit 1	Jr.
Class 202	Unit 1	Int.
Class 203	Unit 1	Sr.

### HORSELESS HORSE—UNIT 2

Class 204	Unit 2	Jr.
Class 205	Unit 2	Int.
Class 206	Unit 2	Sr.

### HORSELESS HORSE—UNIT 3

Class 207	Unit 3	Jr.
Class 208	Unit 3	Int.
Class 209	Unit 3	Sr.

### HORSELESS HORSE—UNIT 4

Class 210	Unit 4	Jr.
Class 211	Unit 4	Int.
Class 212	Unit 4	Sr.

All exhibits will consist of the following:

A. The completed Horseless Horse Unit 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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects:  
[www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.



## CATS

Note: Please read 4-H Project Exhibit Rules on page 2.

### CAT 1 –PURR-FECT PALS

Class 301	Cat 1	Jr.
Class 302	Cat 1	Int.
Class 303	Cat 1	Sr.

### CAT 2 –CLIMBING UP

Class 304	Cat 2	Jr.
Class 305	Cat 2	Int.
Class 306	Cat 2	Sr.

### CAT 3 –LEAPING FORWARD

Class 307	Cat 3	Jr.
Class 308	Cat 3	Int.
Class 309	Cat 3	Sr.

All exhibits will consist of the following:

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

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

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects:  
[www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

**BIOLOGICAL SCIENCE  
DIVISION 2**

**GARDENING**

Note: Please read 4-H Project Exhibit Rules on page 2.

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

**SEE THEM SPROUT—UNIT 1**

Class 401	See Them Sprout	Jr.
Class 402	See Them Sprout	Int.
Class 403	See Them Sprout	Sr.

**LET'S GET GROWING! —UNIT 2**

Class 404	Let's Get Growing	Jr.
Class 405	Let's Get Growing	Int.
Class 406	Let's Get Growing	Sr.

**TAKE YOUR PICK—UNIT 3**

Class 407	Take Your Pick	Jr.
Class 408	Take Your Pick	Int.
Class 409	Take Your Pick	Sr.

**GROWING PROFITS—UNIT 4 (Senior Adv.)**

Class 410	Growing Profits	Sr. Adv.
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All exhibits will consist of the following:

A. A gardening project manual and e-Record presented in a sturdy binder/notebook, including these items: manual with appropriate sections completed, e-Record, and other drawings or attachments related to activities in the manual.

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

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects:  
[www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

**MECHANICAL SCIENCES  
DIVISION 3**

**BICYCLE**

Note: Please read 4-H Project Exhibit Rules on page 2.

**BICYCLING FOR FUN—Unit 1**

Class 501	Bicycling for Fun	Jr.
Class 502	Bicycling for Fun	Int.
Class 503	Bicycling for Fun	Sr.

**WHEELS IN MOTION—Unit 2**

Class 504	Wheels in Motion	Jr.
Class 505	Wheels in Motion	Int.
Class 506	Wheels in Motion	Sr.

**BICYCLE SELF-DETERMINED—Unit 3**

Class 507	Bicycle Self-Determined	Int.
Class 508	Bicycle Self-Determined	Sr.

All exhibits will consist of the following:

- A. 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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects:  
[www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

## COMPUTER POWER UNLIMITED SERIES

Note: Please read 4-H Project Exhibit Rules on page 2.

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 CD or DVD or a stand-alone exhibit, not all. Be sure that the CD or DVD is package to prevent damage to it.

### NEWBIE KNOW HOW

#### Display Board or CD or DVD Exhibits

Class 601	Newbie Know-How	Jr.
Class 602	Newbie Know-How	Int.
Class 603	Newbie Know-How	Sr.

#### Stand-Alone Exhibits

Class 604	Newbie Know-How	Jr.
Class 605	Newbie Know-How	Int.
Class 606	Newbie Know-How	Sr.

### INSIDE THE BOX

#### Display Board or CD or DVD Exhibits

Class 607	Inside the Box	Jr.
Class 608	Inside the Box	Int.
Class 609	Inside the Box	Sr.

#### Stand-Alone Exhibits

Class 610	Inside the Box	Jr.
Class 611	Inside the Box	Int.
Class 612	Inside the Box	Sr.

### P2P –PEER TO PEER

#### Display Board or CD or DVD Exhibit

Class 613	Peer to Peer	Int.
Class 614	Peer to Peer	Sr.

#### Stand-Alone Exhibit

Class 615	Peer to Peer	Int.
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Class 616 Peer to Peer Sr.

### DISCOVERING COMPUTER SCIENCE & PROGRAMMING THROUGH SCRATCH

#### Display Board or CD or DVD Exhibits

Class 617	Computer Science	Jr.
Class 618	Computer Science	Int.
Class 619	Computer Science	Sr.

#### Stand-Alone Exhibits

Class 620	Computer Science	Jr.
Class 621	Computer Science	Int.
Class 622	Computer Science	Sr.

### COMPUTERS IN THE 21<sup>ST</sup> CENTURY

#### Display Board or CD or DVD Exhibits

Class 623	Computers 21 <sup>st</sup> Century	Int.
Class 624	Computers 21 <sup>st</sup> Century	Sr.

#### Stand-Alone Exhibits

Class 625	Computers 21 <sup>st</sup> Century	Int.
Class 626	Computers 21 <sup>st</sup> Century	Sr.

### TEENS TEACHING TECH

#### Display Board or CD or DVD Exhibits

Class 627	Teens Teaching Tech	Sr.
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#### Stand-Alone Exhibits

Class 628	Teens Teaching Tech	Sr.
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#### All exhibits will consist of the following:

A. One sturdy binder/notebook that contains the project manual or copy of page 5 - Achievement Program Requirements with explored areas completed (page 5 of manual for Units: Newbie Know-How, Inside the Box, Peer to Peer and Teens Teaching Technology only) or the Discovering Computer Science & Programming Through Scratch manuals for that unit (Discovering Computer Science & Programming Through Scratch and Computers in the 21<sup>st</sup> Century) 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. Potential display ideas can be found in the Expand Your Memory in the manual for Newbie Know-How, Inside the Box, P2P-Peer to

Peer and Teens Teaching Tech only. The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board. All items must be attached to display boards.

2. A stand-alone exhibit demonstrating a skill learned or an item developed. For example, a Makey Makey keyboard or a micro controller project. All stand-alone projects are subject to risks of display at county and state fair if eligible.
3. A CD or DVD with the program or a video of the project. This CD or DVD must be playable on a PC. Be sure to package the CD or DVD to prevent damage during travel to state fair.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects go to [http://www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) and look under Display Hints and Tips and Project Tips.

## ELECTRIC

Please read 4-H Project Exhibit Rules on page 2.

### MAGIC OF ELECTRICITY—UNIT 1

Class 701	Magic of Electricity	Jr.
Class 702	Magic of Electricity	Int.
Class 703	Magic of Electricity	Sr.

Exhibit will consist of the following:

A. Completed 4-H Electric project manual 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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### INVESTIGATING ELECTRICITY—UNIT 2

Class 704	Investigating Electricity	Jr.
Class 705	Investigating Electricity	Int.
Class 706	Investigating Electricity	Sr.

Exhibit will consist of the following:

A. Completed 4-H Electric project manual 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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## WIRED FOR POWER—UNIT 3

Class 707	Wired for Power	Jr.
Class 708	Wired for Power	Int.
Class 709	Wired for Power	Sr.

Exhibit will consist of the following:

A. Completed 4-H Electric project manual 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: 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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### ENTERING ELECTRONICS—UNIT 4 (Senior Advanced)

Class 710	Entering Electronics	Sr.
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Exhibit will consist of the following:

A. Completed 4-H Electric project manual 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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects: [http://www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) and look under Display Hints and Tips and Project Tips.

**Note:** Please make sure that all items are attached securely to the exhibit and that they are labeled with the name of the exhibitor.

## GPS & MAPPING

Note: Please read 4-H Project Exhibit Rules on page 2.

1. 4-H members can exhibit both as an individual and/or as part of a group. The exhibits need to be different –one exhibit for the individual and a different topic exhibit for the group.

### SETTING OUT— LEVEL 1

Class 801	Setting Out	Jr.
Class 802	Setting Out	Int.
Class 803	Setting Out	Sr.

Exhibit will consist of the following two options:

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

B. Using the 'Take Me on a Tour' activity, create a display and map showing four to six tour sites, geo-tools used to create the map, positional data for the sites, and information about the selected sites.

**OR**

C. Using information from the "What Are Geographical Tools?" activity, prepare an exhibit showing and describing ten mapping tools. Explain how the mapping tools are used and why maps are important.

D. Posters/Maps must be presented on display board. The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board. Exhibitors are encouraged to laminate all posters/maps or cover them with clear plastic film

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### ON THE TRAIL— LEVEL 2

Class 804	On the Trail	Jr.
Class 805	On the Trail	Int.
Class 806	On the Trail	Sr.

Exhibit will consist of the following:

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

B. Using the table from the "Take Me on a Tour" activity from Level 1, create a map showing recreational, historical or public service sites in your community. Determine if there is a need for additional community resources. Make written suggestions for what resources should be added and where they should be located on your map.

C. Posters/Maps must be presented on a display board. The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board. Exhibitors are encouraged to laminate all posters/maps or cover them with clear plastic film.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### REACHING YOUR DESTINATION— LEVEL 3

Class 807	Reaching Your Destination	Jr.
Class 808	Reaching Your Destination	Int.
Class 809	Reaching Your Destination	Sr.

Exhibit will consist of the following:

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

B. Create a computer-generated map with layered data that provides information on a community need. Explain how the need was identified, how you gathered information, and your recommendations on how to solve the need. Use the template from "Take Me on a Tour" activity from Level 1, to gather data for the map.

C. Posters/Maps must be presented on a display board. The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board. Exhibitors are encouraged to laminate all posters/maps or cover them with clear plastic film.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### GROUP PROJECTS (Developed by two or more 4-H members).

Class 810	Group Project	Jr.
Class 811	Group Project	Int.
Class 812	Group Project	Sr.

Exhibit will consist of the following:

A. At least a one-page story about the project including these items: purpose of map, goals, plan, accomplishments, evaluation, and how each person on the team contributed to the project.

B. Hand drawn or computer generated map (map can be either informational or directional).

C. Posters/Maps must be presented on a display board. The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board. Exhibitors are encouraged to laminate all posters/maps or cover them with clear plastic film.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips

## MODEL ROCKETRY

Note: Please read 4-H Project Exhibit Rules on page 2.

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 its 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 Units 1-3.**
3. Fins of plastic or other materials must be exhibited in Units 4 and 6.
4. Unit 4 members may build Skill Level 4 and Skill Level 5 rocket kits.
5. Rockets are to be displayed and held **vertically** by a substantial rod or support no taller than the rocket on a stationary base appropriate to the size of the rocket, not to exceed 12"x12"x1" thick. Only the rocket will be judged. Do not decorate the base. No triangular stands can be used for displaying the rocket.
6. Do not include live or expended engines in the rocket exhibited.
7. If rocket is damaged in launching, it can still be judged for quality of construction, e-Record and pictures.
8. Display rockets cannot be used for the Rocket Fly Day competition at State Fair.
9. No launching pads should be used for displaying the rockets.
10. All rockets must be exhibited upright.
11. 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.

Note: Please read specific rules for your Unit.

### INTRODUCTION TO ROCKETRY—UNIT 1

#### Balsa Fins Only

Class 901	Introduction to Rocketry	Jr.
Class 902	Introduction to Rocketry	Int.
Class 903	Introduction to Rocketry	Sr.

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 a rocket was launched provide the following information on the Model Rocket 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 problems you encountered?

D. One rocket personally built or other display related to work done at Skill Level 1.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### BASIC MODEL ROCKETRY—UNIT 2

#### Balsa Fins Only

Class 904	Basic Model Rocketry	Jr.
Class 905	Basic Model Rocketry	Int.
Class 906	Basic Model Rocketry	Sr.

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 a 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 problems you encountered?

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



E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### INTERMEDIATE MODEL ROCKETRY—UNIT 3

#### Balsa Fins Only

Class 907	Intermediate Model Rocketry	Jr.
Class 908	Intermediate Model Rocketry	Int.
Class 909	Intermediate Model Rocketry	Sr.

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 a 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 in unit or display related to work done at Skill Level III.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### ADVANCED MODEL ROCKETRY—UNIT 4

#### Finished fins of any type

Class 910	Advanced Model Rocketry	Jr.
Class 911	Advanced Model Rocketry	Int.
Class 912	Advanced Model Rocketry	Sr.

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 a 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 any problems you encountered?

D. One rocket personally built in unit or display related to work done in Skill Level IV.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### DESIGNER MODEL ROCKETRY—UNIT 6

#### Finished fins of any type

Class 913	Designer Model Rocketry	Jr.
Class 914	Designer Model Rocketry	Int.
Class 915	Designer Model Rocketry	Sr.

Exhibit will consist of the following:

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

B. If a 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 any problems you encountered?

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

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

## ROBOTICS & ENGINEERING

Note: Please read 4-H Project Exhibit Rules, page 2.

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 platforms include: Arduino Kits, EV3, Brushbot, Make, Hexy, Pushbutton Programmable Robotic Kit, Sparky, Cubelets, Robotic Arm Edge, Sparkfun Red Bot, WeDo, Multiplo, NXT, TETRIS, 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.

5. For more information about various team competitive robotics opportunities, see this list from the Colorado 4-H STEM website.

### JUNK DRAWER ROBOTICS & ENGINEERING UNIT 1—GIVE ROBOTICS A HAND

#### Display Board Exhibits

Class 1001 Give Robotics a Hand Jr.

Class 1002 Give Robotics a Hand Int.

Class 1003 Give Robotics a Hand Sr.

#### Stand-Alone Exhibits

Class 1004 Give Robotics a Hand Jr.

Class 1005 Give Robotics a Hand Int.

Class 1006 Give Robotics a Hand Sr.

A. A sturdy binder/notebook that contains the completed 4-H Robotics e-record.

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

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

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### JUNK DRAWER ROBOTICS & ENGINEERING UNIT 2—ROBOTS ON THE MOVE

#### Display Boards Exhibits

Class 1007 Robots on the Move Jr.

Class 1008 Robots on the Move Int.

Class 1009 Robots on the Move Sr.

#### Stand-Alone Exhibits

Class 1010 Robots on the Move Jr.

Class 1011 Robots on the Move Int.

Class 1012 Robots on the Move Sr.

A. A sturdy binder/notebook that contains the completed 4-H Robotic e-record.

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

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

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### JUNK DRAWER ROBOTICS & ENGINEERING UNIT 3—MECHATRONICS

#### Display Board Exhibits

Class 1013 Mechatronics Jr.

Class 1014 Mechatronics Int.

Class 1015 Mechatronics Sr.

#### Stand-Alone Exhibits

Class 1016 Mechatronics Jr.

Class 1017 Mechatronics Int.

Class 1018 Mechatronics Sr.

A. A sturdy binder/notebook that contains the completed 4-H Robotic e-record.

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

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

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### **ROBOTICS PLATFORMS UNIT 4---BEGINNER**

##### **Display Board Exhibits**

Class 1019 Platforms—Beginner Jr.

Class 1020 Platforms—Beginner Int.

Class 1021 Platforms—Beginner Sr.

A. A sturdy binder/notebook that contains the completed 4-H Robotic e-record.

B. One display board which you have made as a part of this unit of study. The standardized display board size 4' X 3' is to be used for 4-H projects.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### **ROBOTICS PLATFORMS UNIT 5—INTERMEDIATE**

Class 1022 Platforms—Intermediate Jr.

Class 1023 Platforms—Intermediate Int.

Class 1024 Platforms—Intermediate Sr.

A. A sturdy binder/notebook that contains the completed 4-H Robotic e-record.

B. One display board which you have made as a part of this unit of study. The standardized display board size 4' X 3' is to be used for 4-H projects.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### **ROBOTICS PLATFORMS UNIT 6—ADVANCED**

Class 1025 Platform—Advanced Jr.

Class 1026 Platform---Advanced Int.

Class 1027 Platform—Advanced Sr.

A. A sturdy binder/notebook that contains the completed 4-H Robotic e-record.

B. One display board which you have made as a part of this unit of study. The standardized display board size 4' X 3' is to be used for 4-H projects.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### **TEAM ROBOTICS UNIT 7**

Class 1028 Team Robotics Jr.

Class 1029 Team Robotics Int.

Class 1030 Team Robotics Sr.

A. A sturdy binder/notebook that contains the completed 4-H Robotic e-record.

B. One display board which you have made as a part of this unit of study. The standardized display board size 4' X 3' is to be used for 4-H projects.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## SMALL ENGINES

Note: Please read 4-H Project Exhibit Rules, page 2.

### CRANK IT UP—UNIT 1

Class 1101 Crank It Up	Jr.
Class 1102 Crank It Up	Int.
Class 1103 Crank It Up	Sr.

Exhibit will consist of the following:

A. A completed Small Engines manual 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 board or a stand-alone item (but not both) such as: air and fuel systems, the electrical systems, a diagram of the engine block, etc. A display board can be on any topic from the small engines manual. 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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### WARM IT UP—UNIT 2

Class 1104 Warm It Up	Jr.
Class 1105 Warm It Up	Int.
Class 1106 Warm It Up	Sr.

Exhibit will consist of the following:

A. A completed Small Engines manual 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 board or a stand-alone item (but not both) such as; air and fuel systems, the electrical systems, a diagram of the engine block, etc. A display board can be on any topic from the Small Engines manual. 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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of the display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## TUNE IT UP—UNIT 3

Class 1107 Tune It Up	Jr.
Class 1108 Tune It Up	Int.
Class 1109 Tune It Up	Sr.

Exhibit will consist of the following:

A. A completed Small Engines manual 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 board or a stand-alone item (but not both) such as: air and fuel systems, the electrical systems, a diagram of the engine block, etc. A display board can be on any topic from the Small Engine manual. You may use pictures or any records you kept to provide evidence of your accomplishments and what you have learned. Label and use captions to make your display as educational as possible. The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of the display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### ADVANCED ENGINES—UNIT 4

Class 1110 Advanced Small Engines	Jr.
Class 1111 Advanced Small Engines	Int.
Class 1112 Advanced Small Engines	Sr.

Exhibit will consist of the following:

**Note: This unit can be used for any type of engine (tractor, car, etc.)**

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 in the Small Engine Unit 4 e-Record:

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

C. Exhibit may be a display board or a stand-alone item (but not both) such as: air and fuel systems, the electrical systems, a diagram of the engine block, etc. A display board on any topic related to Engines. 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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**NATURAL RESOURCES  
DIVISION 4  
ENTOMOLOGY**

Note: Please read 4-H Project Exhibit Rules on page 2. *Entomology Workbook Required.*

*Entomology is the study of insects. Insects have three body regions, three pairs of legs and one pair of antennae, wings in adult stage, typically two pair.*

*Spiders are Arachnida which have four pair of legs, two body regions and no antennae.*

*Exhibits in entomology are limited to insect specimens only.*

1. Older members may start with Unit 2.
2. Each year 4-H members build on their collection by adding new insects as required for that particular unit. Refer to the exhibit requirements for the number of insects to collect for that unit.

Acceptable sizes of hand made 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

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.

Commercially available display cases are acceptable.

**LET'S LEARN ABOUT INSECTS—UNIT 1**

- |                                      |      |
|--------------------------------------|------|
| Class 1201 Let's Learn About Insects | Jr.  |
| Class 1202 Let's Learn About Insects | Int. |
| Class 1203 Let's Learn About Insects | Sr.  |

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". Regular insect pins are required.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**LEARN MORE ABOUT INSECTS—UNIT 2**

- |                                     |      |
|-------------------------------------|------|
| Class 1204 Learn More About Insects | Jr.  |
| Class 1205 Learn More About Insects | Int. |
| Class 1206 Learn More About Insects | Sr.  |

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. Standard-sized display boxes with removable glass covers are required. Regular insect pins are required.
- C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**INSECT HABITS AND CONTROLS—UNIT 3**

- |                                       |      |
|---------------------------------------|------|
| Class 1207 Insect Habits and Controls | Jr.  |
| Class 1208 Insect Habits and Controls | Int. |
| Class 1209 Insect Habits and Controls | Sr.  |

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 (one order developed in water), correctly labeled. Include a special collection of 8 different insects, as stated in Unit 3 Workbook. Standard-sized display boxes with removable glass covers are required. Regular insect pins are required.
- C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**INSECT IDENTIFICATION AND COMMUNITY PROJECTS—UNIT 4**

- |   |      |
|---|------|
| Class 1210 Insect Identification/Community Projects | Jr.  |
| Class 1211 Insect Identification/Community Projects | Int. |
| Class 1212 Insect Identification/Community Projects | Sr.  |

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. Standard-sized display boxes with removable glass covers are required. Regular insect pins are required.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### **IMMATURE INSECTS AND LIFE STAGES—UNIT 5**

Class 1213 Immature Insects and Life Stages Jr.

Class 1214 Immature Insects and Life Stages Int.

Class 1215 Immature Insects and Life Stages Sr.

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.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### **EXPLORING WITH INSECTS—UNIT 6**

Class 1216 Exploring with Insects Jr.

Class 1217 Exploring with Insects Int.

Class 1218 Exploring with Insects Sr.

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. Standard-sized display boxes with removable glass covers are required. Regular insect pins are required.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### **EXPLORING WITH INSECTS (ADVANCED)—UNIT 7**

Class 1219 Exploring with Insects Adv Jr.

Class 1220 Exploring with Insects Adv Int.

Class 1221 Exploring with Insects Adv Sr.

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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

## OUTDOOR ADVENTURES

Note: Please read 4-H Project Exhibit Rules on page 2.

List the day, month, and year for the date of completed activities on page 4.

### HIKING TRAILS—UNIT 1

Class 1301	Hiking Trails	Jr.
Class 1302	Hiking Trails	Int.
Class 1303	Hiking Trails	Sr.

### CAMPING ADVENTURES—UNIT 2

Class 1304	Camping Adventures	Jr.
Class 1305	Camping Adventures	Int.
Class 1306	Camping Adventures	Sr.

### BACKPACKING EXPEDITIONS—UNIT 3

Class 1307	Backpacking Expeditions	Jr.
Class 1308	Backpacking Expeditions	Int.
Class 1309	Backpacking Expeditions	Sr.

All exhibits will consist of the following:

A. A completed manual and e-Record presented in a sturdy binder/notebook including these items: appropriate sections in manual completed, e-Record and other items or attachments related to the activities in the manual.

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 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of the display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

## SHOOTING SPORTS

Note: Please read 4-H Project Exhibit Rules on page 2.

Project Exhibit Rules:

1. Be sure to include the log for the discipline that you are exhibiting.

2. There is one e-Record that contains the inventory sheet and the discipline log records for all the disciplines that are required for this project.

3. Display should illustrate a chosen aspect of skill areas. This is separate from the statewide State Fair Shooting Sports Event listed under Special Events. (The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included on or in front of display board.) No wooden display cases.

4. Counties may enter only one exhibit per class. Members may have entries in both the display board classes and the stand-alone classes.

5. No live ammo, tips, broadheads (ex: arrowheads), knives, functional or nonfunctional firearms or bows will be allowed as an exhibit.

6. Do not use the word weapon when creating your display. Make sure that there are no safety violations in your display. (Example: no earplugs, no safety glasses on a photo of a youth firing his/her gun.)

7. The display boards topics should stay in close relationship with your discipline. 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.)

8. Stand-alone items are items that are made to enhance the discipline, such as a quiver, gun case, gun stand, etc. No display boards are allowed in the Stand-Alone Classes.

9. Because of limited floor space for displaying stand-alone items, there will be a maximum size of 3 feet in width and depth and 7ft in height. The item must be stable when standing in order to be displayed. If an exhibit is larger than this, a notebook can be used as an exhibit showing how and what was made.

10. For those members who are exhibiting both a display board and a stand-alone, 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.

11. No stand-alone items that are an exhibit at the time of the contests will be allowed to be removed from the building to be used at the contests.

## ARCHERY

Class 1401	Archery	Jr.
Class 1402	Archery	Int.
Class 1403	Archery	Sr.

## AIR RIFLE

Class 1404	Air Rifle	Jr.
Class 1405	Air Rifle	Int.
Class 1406	Air Rifle	Sr.

## SHOTGUN

Class 1407	Shotgun	Jr.
Class 1408	Shotgun	Int.
Class 1409	Shotgun	Sr.

## .22 RIFLE

Class 1410	.22 Rifle	Jr.
Class 1411	.22 Rifle	Int.
Class 1412	.22 Rifle	Sr.

## .22 PISTOL

Class 1413	.22 Pistol	Jr.
Class 1414	.22 Pistol	Int.
Class 1415	. 22 Pistol	Sr.

## BLACK POWDER MUZZLELOADING

Class 1416	Muzzleloading	Jr.
Class 1417	Muzzleloading	Int.
Class 1418	Muzzleloading	Sr.

## AIR PISTOL

Class 1419	Air Pistol	Jr.
Class 1420	Air Pistol	Int.
Class 1421	Air Pistol	Sr.

## WESTERN HERITAGE

Class 1422	Western Heritage	Jr.
Class 1423	Western Heritage	Int.
Class 1424	Western Heritage	Sr.



## OUTDOOR SKILLS

Class 1425	Outdoor Skills	Jr.
Class 1426	Outdoor Skills	Int.
Class 1427	Outdoor Skills	Sr.

**Members may have entries in both the display board classes and the stand-alone classes.**

## STAND-ALONE CLASSES

These classes are for stand-alone items only. No display boards are allowed in the Stand-Alone Classes. Please check out rule no. 8. No live ammo, broadheads (ex: arrowheads), knives, functional or nonfunctional firearms or bows will be allowed to be displayed.

## ARCHERY

Class 1428	Archery Stand Alone	Jr.
Class 1429	Archery Stand Alone	Int.
Class 1430	Archery Stand Alone	Sr.

## AIR RIFLE

Class 1431	Air Rifle Stand Alone	Jr.
Class 1432	Air Rifle Stand Alone	Int.
Class 1433	Air Rifle Stand Alone	Sr.

## SHOTGUN

Class 1434	Shotgun Stand Alone	Jr.
Class 1435	Shotgun Stand Alone	Int.
Class 1436	Shotgun Stand Alone	Sr.

## AIR PISTOL

Class 1437	Air Pistol Stand Alone	Jr.
Class 1438	Air Pistol Stand Alone	Int.
Class 1439	Air Pistol Stand Alone	Sr.

## .22 RIFLE

Class 1440	.22 Rifle Stand Alone	Jr.
Class 1441	.22 Rifle Stand Alone	Int.
Class 1442	.22 Rifle Stand Alone	Sr.

## .22 PISTOL

Class 1443	.22 Pistol Stand Alone	Jr.
Class 1444	.22 Pistol Stand Alone	Int.
Class 1445	.22 Pistol Stand Alone	Sr.

## WESTERN HERITAGE

Class 1446	Western Heritage Stand Alone	Jr.
Class 1447	Western Heritage Stand Alone	Int.
Class 1448	Western Heritage Stand Alone	Sr.

## OUTDOOR SKILLS

Class 1449	Outdoor Stand Alone	Jr.
Class 1450	Outdoor Stand Alone	Int.
Class 1451	Outdoor Stand Alone	Sr.

## BLACK POWDER MUZZLELOADING

Class 1452	Muzzleloading Stand Alone	Jr.
Class 1453	Muzzleloading Stand Alone	Int.
Class 1454	Muzzleloading Stand Alone	Sr.

All exhibits will consist of the following:

A. Completed e-Record for the discipline exhibited presented in a sturdy binder/notebook.

**B. Specific discipline e-Record is required. It can be found at:**

[http://www.colorado4h.org/project\\_resources/ere-cords/index.php](http://www.colorado4h.org/project_resources/ere-cords/index.php)

**C. A Discipline Record Log Sheet is required. It can be found at:**

[http://www.colorado4h.org/project\\_resources/ere-cords/index.php](http://www.colorado4h.org/project_resources/ere-cords/index.php)

D. **Display Exhibit:** One display board illustrating something learned in the project this year. The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.

**For Stand-Alones Exhibits:** One article which you have made as a part of the project this year. (Examples: gun stocks, decoys, quivers, but not limited to just these.) No live ammo, broadheads (ex: arrowheads), knives, functional or nonfunctional firearms or bows will be allowed to be displayed.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## SPORTFISHING

Note: Please read 4-H Project Exhibit Rules on page 2.

**Exhibits may include stand-alone items such as hand-wrapped rods or hand-made lures.**

Exhibit of record kept during the year and display illustrating a chosen aspect of skill area is required. (The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board.)

**Members may have entries in both the display board classes and the stand-alone classes.**

**For those members who are exhibiting both a display board and a stand-alone, 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.**

**Stand-alone items must not exceed 3 feet in width and depth and 7ft in height. The item must be stable when standing in order to be displayed. If an exhibit is larger than these dimensions you may use a notebook as the exhibit and explain how and what was made.**

### TAKE THE BAIT—UNIT 1

Class 1501 Take The Bait	Jr.
Class 1502 Take the Bait	Int.
Class 1503 Take the Bait	Sr.

### REEL IN THE FUN—UNIT 2

Class 1504 Reel in the Fun	Jr.
Class 1505 Reel in the Fun	Int.
Class 1506 Reel in the Fun	Sr.

### CAST INTO THE FUTURE—UNIT 3

Class 1507 Cast into the Future	Jr.
Class 1508 Cast into the Future	Int.
Class 1509 Cast into the Future	Sr.

**Members may have entries in both the display board classes and the stand-alone classes.**

### SPORTFISHING STAND ALONE CLASSES

**These classes are for stand-alone items only. No display boards are allowed in these classes.**

#### Take the Bait Unit 1

Class 1510 Sportfishing Stand Alone	Jr.
Class 1511 Sportfishing Stand Alone	Int.
Class 1512 Sportfishing Stand Alone	Sr.

#### Reel in the Fun Unit 2

Class 1513 Sportfishing Stand Alone	Jr.
Class 1514 Sportfishing Stand Alone	Int.
Class 1515 Sportfishing Stand Alone	Sr.

#### Cast into the Future Unit 3

Class 1516 Sportfishing Stand Alone	Jr.
Class 1517 Sportfishing Stand Alone	Int.
Class 1518 Sportfishing Stand Alone	Sr.

All exhibits will consist of the following:

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

B. Include the following information on the project information page.

1. Record each fishing experience:
  - a. date
  - b. location
  - c. type (pond, lake, reservoir, stream, river or other),
  - 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. Exhibits may include a display board or a stand-alone item such as hand-wrapped rods or hand-made lures. A display board is to be a specific skill level area related to the exhibit. When using a display board, it is strongly recommended to use photos, drawings or other illustrations rather than actual items (i.e. rods, reels, other tackle or accessories). Educational materials shall not extend beyond the edges of display boards. The standardized display board size of 4 ft. x 3 ft. is to be used with 4-H projects. No additional items may be included in front of display board. Hooks must be removed from lures and jigs when these items are used in an exhibit. The exceptions are artificial flies, which may be exhibited with functional hooks, but the hook points must be imbedded in material (i.e. rubber, dense cork, etc.) that will secure the flies and offer safety to the judges and other show officials. **Be sure to remove barbs and any other sharp points.**

D. No knives to be displayed.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects:  
[www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

## WILDLIFE

Note: Please read 4-H Project Exhibit Rules on page 2.

**For those members who are exhibiting both a display board and a stand-alone, they may copy their e-record. Each exhibit must have an e-record. Be sure to highlight what you are exhibiting in**

### Unit 1 Wildlife Conservation—The Worth of Wild Roots

Class 1601	The Worth of Wild Root	Jr.
Class 1602	The Worth of Wild Root	Int.
Class 1603	The Worth of Wild Root	Sr.

### Unit 2 Wildlife Conservation—Living Wild in an Ecosystem

Class 1604	Living Wild in an Ecosystem	Jr.
Class 1605	Living Wild in an Ecosystem	Int.
Class 1606	Living Wild in an Ecosystem	Sr.

### Unit 3 Wildlife Conservation—Managing in a Word with You and Me

Class 1607	Managing in a World	Jr.
Class 1608	Managing in a World	Int.
Class 1609	Managing in a World	Sr.

### Stand-Alone Items (For all units)

Class 1610	Stand-Alone Item	Jr.
Class 1611	Stand-Alone Item	Int.
Class 1612	Stand-Alone Item	Sr.

All exhibits will consist of the following:

A. Completed Wildlife e-Record presented 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. **Follow the standardized display board size of 4 ft. x 3 ft.** No additional items may be included 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.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

**COMMUNICATION, ARTS, &  
LEISURE SCIENCES  
DIVISION 6  
CERAMICS**

Verla Noakes..... Superintendent

Note: Please read 4-H Project Exhibit Rules on page 2.

Project Exhibit Rules:

1. One piece consists of no more than one item with lid (i.e. sugar bowl with lid). More than one piece is considered a set. Pieces in a set must be related.
2. All work must be done by the member, including the cleaning of greenware or soft bisque used in the Porcelain Doll Unit.
3. A member repeating any unit must learn new skills.
4. All ceramic pieces must be free for close inspection by the judge (*i.e., flowers should not be fastened with floral clay in a flower pot; doll's clothing must be easily removed*). If not, the piece/pieces will be disqualified.
5. Completed e-Record must be entered with the exhibit piece.
6. For examples of technique sheets, go to [www.colorado4h.org](http://www.colorado4h.org) under Project Resources/Record Books.
- 7. Bisque option is for items that are already cleaned and fired and can be exhibited in Units 1, 2, and 4.**

**GLAZES—UNIT 1** —includes glazes on earthenware, stoneware and porcelain.

Class 1701 Glazes	Jr.
Class 1702 Glazes	Int.
Class 1703 Glazes	Sr.
Class 1704 Bisque Option	Jr.
Class 1705 Bisque Option	Int.
Class 1706 Bisque Option	Sr.

Exhibit will consist of the following:

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

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**UNDERGLAZES—UNIT 2** —includes underglazes on earthenware, stoneware and porcelain.

Class 1707 Underglazes	Jr.
Class 1708 Underglazes	Int.
Class 1709 Underglazes	Sr.
Class 1710 Bisque Option	Jr.
Class 1711 Bisque Option	Int.
Class 1712 Bisque Option	Sr.

Exhibit will consist of the following:

- A. Complete Ceramics e-Record presented in a sturdy binder/notebook.
- B. Complete two 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.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**OVERGLAZES—UNIT 3**—includes overglazes on earthenware, stoneware and porcelain.

Class 1713 Overglazes	Jr.
Class 1714 Overglazes	Int.
Class 1715 Overglazes	Sr.

Exhibit will consist of the following:

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

B. Complete two 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.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**UNFIRED FINISHES—UNIT 4**—Includes unfired finishes on earthenware, stoneware, and porcelain.

Class 1716 Unfired Finishes	Jr.
Class 1717 Unfired Finishes	Int.
Class 1718 Unfired Finishes	Sr.
Class 1719 Bisque Option	Jr.
Class 1720 Bisque Option	Int.
Class 1721 Bisque Option	Sr.

Exhibit will consist of the following:

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

B. Complete two 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.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**PORCELAIN DOLLS—UNIT 5**— includes china paint on polished bisque or glazed porcelain (china). Soft-fired greenware is highly recommended for all doll projects.

Class 1722 Porcelain Dolls	Jr.
Class 1723 Porcelain Dolls	Int.
Class 1724 Porcelain Dolls	Sr.

Exhibit will consist of the following:

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

B. Include a technique sheet for the required skills learned, according to the manual and appropriate for the doll. A 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.

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 names, numbers 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.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### **HAND-CONSTRUCTED—UNIT 6**

Class 1725 Hand-Constructed Jr.

Class 1726 Hand-Constructed Int.

Class 1727 Hand-Constructed Sr.

Exhibit will consist of the following:

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

B. Include a technique sheet for the 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.

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 names, numbers 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.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## GLOBAL CITIZENSHIP

Note: Please read 4-H Project Exhibit Rules on page 2. **No Display Boards.**

### STUDY OF ANOTHER COUNTRY

Class 1801 Study of Another Country	Jr.
Class 1802 Study of Another Country	Int.
Class 1803 Study of Another Country	Sr.

Exhibit will consist of the following:

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

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

B. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### HOST A DELEGATE FROM ANOTHER COUNTRY

Class 1804 Host a Delegate From Another Country	Jr.
Class 1805 Host a Delegate From Another Country	Int.
Class 1806 Host a Delegate From Another Country	Sr.

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 page—3-4 of manual
3. During the Stay—page 4 of manual
4. After Departure—page 4 of manual
5. Resources—page 5 of manual

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

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### YOUTH COUNSELOR FOR INBOUND INTERNATIONAL DELEGATION

Class 1807 Youth Counselor	Int.
Class 1808 Youth Counselor	Sr.

Exhibit will consist of the following:

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

B. 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 5 of manual
4. Resources—page 5 of manual

C. 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.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### EXCHANGE DELEGATE TO ANOTHER COUNTRY

Class 1809 Exchange Delegate to Another Country	Int.
Class 1810 Exchange Delegate to Another Country	Sr.

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 States—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.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).



## LEADERSHIP

Note: Please read 4-H Project Exhibit Rules on page 2.

### INDIVIDUAL SKILLS FOR YOUNG MEMBERS

Class 1901 Ind. Skills for Young Members Jr.

### INDIVIDUAL SKILLS FOR OLDER MEMBERS

Class 1902 Ind. Skills for Older Members Int.

Class 1903 Ind. Skills for Older Members Sr.

### SKILLS WORKING WITHIN GROUPS

Class 1904 Skills Working Within Groups Int.

Class 1905 Skills Working Within Groups Sr.

### SKILLS LEADING GROUPS

Class 1906 Skills Leading Groups Int.

Class 1907 Skills Leading Groups Sr.

All exhibits will consist of the following:

A. Completed e-Record.

B. A display board telling how you developed or improved one leadership skill. **The standardized display board size of 4 ft. x 3 ft.** is to be used with 4-H projects. No additional items may be included in front of the display board.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects:  
[www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

## LEATHERCRAFT

Note: Please read 4-H Project Exhibit Rules on page 2.

Project Exhibit Rules for All Units:

1. Put name, age and county 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 are 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 each of the units exhibiting in.

**5. Unit 8 is now an advanced creative stamping. It is recommended that 1st year-juniors take Unit 1 intro to stamping before taking Unit 8.**

6. Definitions:

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

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

**Cord**—is round and waxed thread.

**Lace**—is flat with a shiny side and rough side.

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

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

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

**Staining/Antiquing**—using an antique finish like saddle tan—apply & remove/rub on & 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.

## INTRODUCTION TO LEATHERCRAFT & CREATIVE STAMPING—UNIT 1

Class 2001 Intro to Leathercraft & Stamping Jr.

Class 2002 Intro to Leathercraft & Stamping Int.

Class 2003 Intro to Leathercraft & Stamping Sr.

Exhibit will consist of the following:

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

B: Exhibit three (3) articles. **Place the exhibit items on a board 12"x18"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.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note: No carving, solid-color dyeing, color shading and or antiquing is permitted.**

## BEGINNING LEATHER CARVING LEATHERCRAFT—UNIT 2

Class 2004 Beginning Leather Carving Jr.

Class 2005 Beginning Leather Carving Int.

Class 2006 Beginning Leather Carving Sr.

Exhibit will consist of the following:

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

B. **Exhibit board 12"x18"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 an 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 an 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).

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

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

### INTERMEDIATE LEATHER CARVING—UNIT 3

Class 2007 Leather Carving	Jr.
Class 2008 Leather Carving	Int.
Class 2009 Leather Carving	Sr.

Exhibit will consist of the following:

A. Completed e-Record presented 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.**

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

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

## ADVANCED UNITS 4-10

### ADVANCED LEATHER CARVING—UNIT 4

Class 2010 Advanced Leather Carving	Jr.
Class 2011 Advanced Leather Carving	Int.
Class 2012 Advanced Leather Carving	Sr.

Exhibit will consist of the following:

A. Completed e-Record presented 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.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

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

### COLORING AND SHADING—UNIT 5

Class 2013 Coloring and Shading	Jr.
Class 2014 Coloring and Shading	Int.
Class 2015 Coloring and Shading	Sr.

Exhibit will consist of the following:

A. Completed e-Record presented 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, color shading, or antiquing. The design can be either conventional or realistic carving.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

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

### PICTORIAL CARVING—UNIT 6

Class 2016 Pictorial Carving	Jr.
Class 2017 Pictorial Carving	Int.
Class 2018 Pictorial Carving	Sr.

Exhibit will consist of the following:

A. Completed e-Record presented 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.

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### MAKING AND REBUILDING SADDLES—UNIT 7

Class 2019 Making and Rebuilding Saddles	Jr.
Class 2020 Making and Rebuilding Saddles	Int.
Class 2021 Making and Rebuilding Saddles	Sr.

Exhibit will consist of the following:

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

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

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### **ADVANCED CREATIVE STAMPING—UNIT 8**

Class 2022 Creative Stamping Jr.

Class 2023 Creative Stamping Int.

Class 2024 Creative Stamping Sr.

Exhibit will consist of the following:

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

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

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### **BRAIDING AND UNTOOLED—UNIT 9**

Class 2025 Braiding and Untooled Jr.

Class 2026 Braiding and Untooled Int.

Class 2027 Braiding and Untooled Sr.

Exhibit will consist of the following:

A. Completed e-Record presented 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.)

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### **SEWING LEATHER—UNIT 10**

Class 2028 Sewing Leather Jr.

Class 2029 Sewing Leather Int.

Class 2030 Sewing Leather Sr.

Exhibit will consist of the following:

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

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

## PHOTOGRAPHY

Note: Please read 4-H Project Exhibit Rules on page 2.

1. For all units, submit photo material for the current unit being entered. Do not submit previous photos or records.
2. In Levels 1-3 pictures can either be mounted on the journal pages or on card stock. Use the tips on page 73 of the manuals for mounting the pictures.
3. Display photo may be up to 5" x 7" in size. The photo must be mounted on a mat and suitable for hanging without additional frame. No other mounted materials (i.e., glass, wood, plastic, metal, etc.) can be used.
4. All photos in the notebook or manual should be 4"x 6" unless otherwise indicated in the manual. If the photos do not fit on the page, add a page for the photo.
5. **Display photo will be used to display at state fair so be careful when picking your best photo. Notebooks will not be displayed**
6. The maximum size for the matted only picture is no larger than 8"x10" (no frame or glass).
7. Binder/notebooks: Use a hardback, three-ring notebook up to 3 inches in size for all units. No posters or oversized books. Do not use plastic covers on any pages in the unit. All materials must fit within the notebook. Additional pages can be added as needed to exhibit your photos. **Notebooks will be judged but will not be displayed.**
8. For photo exhibits in levels 1-3 follow the tips on page 73 on the manuals. Photos can be mounted on the journal pages or cardstock. Label format for UNITS 1-4:  
 Camera used \_\_\_\_\_  
 Journal page # (if using card stock to mount pictures) \_\_\_\_\_  
 Photo # (left to right and top to bottom) \_\_\_\_\_  
 Subject \_\_\_\_\_  
 Date Photo Taken \_\_\_\_\_
9. Label Format for UNITS 6  
 Photo # or Media Used \_\_\_\_\_  
 Subject \_\_\_\_\_  
 Date Photo Taken or Date of Film \_\_\_\_\_  
 Notes \_\_\_\_\_
10. 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.

### FOCUS ON PHOTOGRAPHY— LEVEL 1

- |                                 |      |
|---------------------------------|------|
| Class 2101 Focus on Photography | Jr.  |
| Class 2102 Focus on Photography | Int. |
| Class 2103 Focus on Photography | Sr.  |

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. All photos must be labeled as follows:

1. Camera used
2. Journal page # (if using card stock to mount pictures)
3. Photo# (left to right and top to bottom)
4. Subject
5. Date Photo Taken

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 a 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 pg. 18); 3 photos of inside scene taken different times (explained in manual pg. 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.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### CONTROLLING THE IMAGE—LEVEL 2

- |                                  |      |
|----------------------------------|------|
| Class 2104 Controlling the Image | Jr.  |
| Class 2105 Controlling the Image | Int. |
| Class 2106 Controlling the Image | Sr.  |

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 do you store your pictures and why did you pick your Display Photo pictures. **Also include photos of you working on your project in the e-record photo page. Completion of pages 4-7 in the manual.**

B. All photos must be labeled as follows:

1. Camera used

2. Journal page # (if using card stock to mount pictures)
3. Photo# (left to right and top to bottom)
4. Subject
5. Date Photo Taken

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) **this will be displayed—must be matted.**
2. Photo Journal Page 12 -3 still subject with different aperture settings (explained in manual pg. 10); 3 moving subject with different shutter speeds (explained in manual pg. 10).
3. Photo Journal Page 16 -6 photos
4. Photo Journal Page 20 -3 photos as explained in manual on pg. 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 -4 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.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### MASTERING PHOTOGRAPH— LEVEL 3

Class 2107 Mastering Photography	Jr.
Class 2108 Mastering Photography	Int.
Class 2109 Mastering Photography	Sr.

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. **Also include photos of you working on your project in the e-record photo page. Completion of pages 4-7 in the manual.**

- B. All photos must be labeled as follows:
1. Camera used
  2. Journal page # (if using card stock to mount pictures)
  3. Photo# (left to right and top to bottom)
  4. Subject
  5. Date Photo Taken

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) **—this 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.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### LIGHTNING PHOTOGRAPHY UNIT 4

Class 2110	Lightning Photos	Jr.
Class 2111	Lightning Photos	Int.
Class 2112	Lightning Photos	Sr.

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. All photos must be labeled as follows:
1. Camera used
  2. Exposure details
  3. Photo# (left to right and top to bottom)
  4. Subject
  5. Date Photo Taken

C. Three 5"x7" photos mounted on a mat. 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, and moon-light, long exposure and high speed photos. For example: two lightning photos and one moon-light photo; or one lightning, one firework, one long exposure, and so on. Any combination can be done.

E. Maximum size for the matted picture is no larger than 8"x10"

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)

G. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### ADVANCED PHOTOGRAPHY—UNIT 6

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

Class 2113 Advanced Photography	Jr.
Class 2114 Advanced Photography	Int.
Class 2115 Advanced Photography	Sr.

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.

B. All photos must be labeled as follows:

1. Photo #
2. Subject
3. Date Photo Taken
4. Notes

C. Include the following information Photography page.

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 illustrate achievements.

F. 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.

G. Project will be evaluated on quality of content in the written statement and completion of e-record (50 percent) and quality of content in notebook (50 percent).

***COLORADO 4-H PHOTO CONTEST--- Open to all 4-H members. Photos must be taken in Colorado. Requirements will be in the Contest Requirements. Counties will need to submit one photo from each category –Jr., Int. and Senior. Judging for this contest will take place during the regular judging of exhibits at state fair.***

## 4-H FILMMAKING

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. 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.

All exhibits will consist of the following:

- A. Completed e-record and binder including story board.
- B. Video must be less than 10 minutes in length.
- C. The video should be DVD media only and ready for viewing. Be sure that the DVD can be viewed on various computer operating systems (ex: Windows, Mac, OS-X, etc.).
- D. 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.
- E. DVD must be labeled as follows:
  1. Name
  2. County
  3. Title
  4. Class
- F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### Animation

Class 2201 Animation	Jr.
Class 2202 Animation	Int.
Class 2203 Animation	Sr.

### Narrative

Class 2204 Narrative	Jr.
Class 2205 Narrative	Int.
Class 2206 Narrative	Sr.

### Documentary

Class 2207 Documentary	Jr.
Class 2208 Documentary	Int.
Class 2209 Documentary	Sr.

### Promotional

Class 2210 Promotional	Jr.
Class 2211 Promotional	Int.
Class 2212 Promotional	Sr.

### Voices of 4-H History

Class 2213 Voices of 4-H History	Jr.
Class 2214 Voices of 4-H History	Int.
Class 2215 Voices of 4-H History	Sr.

**Note:** For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.



## SCRAPBOOKING

Note: Please read 4-H Project Exhibit Rules on page 2.

**Youth may exhibit in one or all classes that they choose.**

**For those 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

Class 2301	One scrapbooking page	Jr.
Class 2302	One scrapbooking page	Int.
Class 2303	One scrapbooking page	Sr.

Exhibit will consist of the following:

- A. Completed e-Record presented 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.

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.

C. Journaling and titling must be included on the one page.

D. If memorabilia are utilized, it must be placed in an archival safe sleeve.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### Scrapbooking Two Page Layout

Class 2304	Two-page layout	Jr.
Class 2305	Two-page layout	Int.
Class 2306	Two-page layout	Sr.

Exhibit will consist of the following:

- A. Completed e-Record presented 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.

B. Designated Two-page layout in 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".

C. Journaling and titling must be included on the two-page layout.

D. If memorabilia are utilized, it must be placed in an archival safe sleeve.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### Scrapbooking Album

Class 2307	Scrapbook Album	Jr.
Class 2308	Scrapbook Album	Int.
Class 2309	Scrapbook Album	Sr.

Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
1. Complete activities 1, 2, & 3 in manual and place in record book.
  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, but does not count in required page count if placed in a separate sleeve. For example, if album contains fifteen pages of layouts and the sixteenth page is memorabilia, the album is missing a page and can be disqualified.



## WOODWORKING

Please read 4-H Project Exhibit Rules on page 2.

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 ranked in the top-ten placing.

Note: In making all placings, judges will consider straightness; accuracy and smoothness of saw cuts; the difficulty and preciseness of joints; the skill employed in the use of nails, screws, gluing and other hardware; freedom from tool or sandpaper marks; appropriate finish evenly applied; article attractiveness, proportions, and use of proper wood for the intended use; ability to follow instructions; quality of workmanship; and completeness of e-Record. Always use proper safety gear.

For large exhibits –like beds- Please bring only the head and foot boards. No rails.

**Please notify the State 4-H Office if exhibit is oversized.**

### MEASURING UP—UNIT 1

Class 2401 Measuring Up	Jr.
Class 2402 Measuring Up	Int.
Class 2403 Measuring Up	Sr.

**Note:** Only tools used are hand tools. Articles made with tools other than hand tools will not be ranked in the top-ten placing.

### MAKING THE CUT—UNIT 2

Class 2404 Making the Cut	Jr.
Class 2405 Making the Cut	Int.
Class 2406 Making the Cut	Sr.

**Note:** Only tools used are hand tools, power hand drill, miter box (non-powered), oscillating (pad) sander and jigsaw. Articles made with power tools other than those listed will not be ranked in the top-ten placing.

### NAILING IT TOGETHER—UNIT 3

Class 2407 Nailing It Together	Jr.
Class 2408 Nailing It Together	Int.
Class 2409 Nailing It Together	Sr.

**Note:** Only tools used are: hand tools, power hand drill, miter box, jigsaw, scroll saw, power sanders, table saw, drill press, band saw, rabbet plane, jointer and router. Articles made with power tools other than those listed will not be ranked in the top-ten placing.

### FINISHING UP—UNIT 4

Class 2410 Finishing Up	Jr.
Class 2411 Finishing Up	Int.
Class 2412 Finishing Up	Sr.

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

All exhibits will consist of the following:

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

B. Include the following information on the Woodworking page:

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

The drawing or plan itself will not be judged. It is only for the judge's use in judging the article exhibited. If the drawing is missing, the exhibit will not be ranked in the top-ten placings.

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

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## VISUAL ARTS

Note: Please read 4-H Project Exhibit Rules on page 2.

### Exhibit your best Art Design.

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

Ready to Hang for pictures means – wire secured and heavy enough to hold the picture. NO TAPE!!!

The Visual Arts project has two manuals, Portfolio Pathways and Sketchbook Crossroads. Portfolio Pathways has three chapters: Chapter 1, Painting, Chapter 2, Printing, and Chapter 3, Graphic Design. Sketchbook Crossroads has three chapters: Chapter 1, Drawing; Chapter 2, Fiber Arts and Chapter 3, Sculpture.

### PORTFOLIO PATHWAYS—PAINTING, PRINTING

Class 2501	Paintings & Printing	Jr.
Class 2502	Paintings & Printing	Int.
Class 2503	Paintings & Printing	Sr.

### GRAPHIC DESIGN

Class 2504	Graphic Designs	Jr.
Class 2505	Graphic Designs	Int.
Class 2506	Graphic Designs	Sr.

Exhibit 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. (For example: 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" frame and ready to hang (no frames should be used). 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.

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### SKETCHBOOK CROSSROADS—DRAWING, FIBER AND SCULPTURE

Class 2507	Sketch Crossroads	Jr.
Class 2508	Sketch Crossroads	Int.
Class 2509	Sketch Crossroads	Sr.

Exhibit 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 the all completed art techniques on the Visual Arts e-record. (For example: Art techniques for drawing -- continuous and contour, shading, perspective, paper choices, colored pencils, pen and ink, calligraphy and cartooning. See manual for fiber and sculpture techniques.)

C. Explain in your 4-H e-Record story what you learned.

D. Exhibit--display your best art design or sculpture. Framed drawings shall be no larger than 16" x 24" including the frame and ready to hang. Fiber art should be framed and ready to hang and no larger than 16"x 24".

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## CONSUMER SCIENCE DIVISION 8

Julia Hurdelbrink..... Superintendent  
Mike Grett and Lois Helgeland.....Co-Display  
Superintendents

### CAKE DECORATING

Kathy Hettinger.....Superintendent

Note: Please read 4-H Project Exhibit Rules on page 2.

#### Project Exhibit Rules

1. Cake should be placed on a very firm, disposable surface, 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 a 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 in Unit 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 Jr., Int. 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 exhibits in Units 7-10, as they hold up better under state fair conditions.

4. **Once a 4-H member has received a placing in the top 10 or a grand champion, they need to move to another unit because they have mastered the skills in this unit. Also if a member repeats a unit they must show what new skill they have learned by repeating the unit.**

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

6. Lower Units (1-3) in Cake Decorating 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. Exhibits requiring over 2' x 2' exhibit area **must** be checked with the superintendent.

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

9. Real cakes are required for all four required cakes and cupcake batter in units 1-6. At least 2 of the cakes need to be real in Units 7-10. Also for Unit 8, 3 of the 5 cakes are required to be totally covered with fondant.

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

11. Unit 12—75 percent of the judging will be on the notebook.

12. All cakes require a bottom border.

13. 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, & 9.

## CAKE DECORATING—UNIT 1 –EDIBLE CAKE DECORATING

Class 2601 Cake Decorating Unit 1 Jr.

Class 2602 Cake Decorating Unit 1 Int.

Class 2603 Cake Decorating Unit 1 Sr.

Exhibit 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 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 **real** cake (8" or 9" or 10" inch round or square or 9" x 13" inch rectangle cake) using only edible materials (for example: candies, pretzels, and coconut should be used to create a design). A real cake (no cake forms) should be used for exhibit in Unit 1. 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 in units 1-6.**

**E. Bottom Base Border required.**

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## CAKE DECORATING—UNIT 2 –SINGLE LAYERED CAKE

Class 2604 Cake Decorating Unit 2 Jr.

Class 2605 Cake Decorating Unit 2 Int.

Class 2606 Cake Decorating Unit 2 Sr.

Exhibit 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 cakes):

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 in the expense page in the 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) using a leaf tip, star tip and writing tip. **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 in units 1-6.** 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 required.**

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### **CAKE DECORATING—UNIT 3 –TWO-LAYERED CAKE**

Class 2607	Cake Decorating Unit 3	Jr.
Class 2608	Cake Decorating Unit 3	Int.
Class 2609	Cake Decorating Unit 3	Sr.

Exhibit 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 (**TOTAL OF 5**) (All 5 cakes must be real cakes):

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 in the expense page in the 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 writing, star, and leaf tips, but may also use other tips, if you choose. Spatula and brush striping 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 in units 1-6.**

E. **Figure piping required on Exhibit Cake and on at least two practice cakes.**

F. **Side border required on Exhibit Cake and on at least two practice cakes.**

G. **Bottom Base Border required.**

H. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### **CAKE DECORATING—UNIT 4 – CHARACTER CAKES**

Class 2610	Cake Decorating Unit 4	Jr.
Class 2611	Cake Decorating Unit 4	Int.
Class 2612	Cake Decorating Unit 4	Sr.

Exhibit 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 character cakes plus the exhibit (**TOTAL of 5**) (All 5 character cakes must be real cakes):

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 in the expense page in the 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 and 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 in units 1-6.**

E. **Bottom Base Border required.**

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### CAKE DECORATING—UNIT 5 – THEMED CUPCAKES

Class 2613	Cake Decorating Unit 5	Jr.
Class 2614	Cake Decorating Unit 5	Int.
Class 2615	Cake Decorating Unit 5	Sr.

Exhibit 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 four batches of cupcakes (can either be themed, stacked or character), plus the exhibit cupcakes, for a minimum of five baking and decorating experiences. **(TOTAL OF 5):**

1. occasion for use
2. size or shape
3. four batches of cupcakes
4. techniques used
5. tips used and where
6. edible materials used
7. cost to buy similar cake
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 e-Record.**

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

D. A minimum of 3 and a maximum of 6 regular size (2 ¾ inches) 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 6-cup muffin tin or a disposable container that matches the theme and is no larger than 10 inch round (example: tea cups, ice cream cones, etc.). Please label with the Exhibitor name and county. No non-edible materials can be used.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### CAKE DECORATING—UNIT 5 –STACKED CUPCAKES

Class 2616	Cake Decorating Unit 5	Jr.
Class 2617	Cake Decorating Unit 5	Int.

Class 2618      Cake Decorating Unit 5      Sr.

Exhibit 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 batches of cupcakes (can either be themed, stacked or character), plus the exhibit cupcakes, for a minimum of five baking and decorating experiences **(TOTAL 5):**

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

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

D. Stacking 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. Fondant and royal icing can be used for decorations only. Cupcakes should be secured to a sturdy board (secured with frosting) for display. Board size should be appropriate to design (use guideline for cakes-maximum of 9" x 13".) No non-edible materials can be used.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### CAKE DECORATING—UNIT 5 – CHARACTER CUPCAKES

Class 2619	Cake Decorating Unit 5	Jr.
Class 2620	Cake Decorating Unit 5	Int.
Class 2621	Cake Decorating Unit 5	Sr.

Exhibit 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 batches of cupcakes (can either be themed, stacked or character), plus the exhibit cupcakes **(TOTAL 5):**

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

8. any problems you had

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

D. Character Cupcakes are multiple individually decorated cupcakes that come together to create the character— **(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. 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 inches. No non-edible materials can be used.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### CAKE DECORATING—UNIT 6 –CUT-UP CAKES

Class 2622	Cake Decorating Unit 6	Jr.
Class 2623	Cake Decorating Unit 6	Int.
Class 2624	Cake Decorating Unit 6	Sr.

Exhibit 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 cut-up cakes plus the exhibit cake (**TOTAL OF 5**) (All 5 cut-up cakes must be real cakes):

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

**Be sure to put the cost of your four cakes and exhibit cake in the expense page in the 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. **Patterns or diagrams for all required cakes must be included in 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-non-edible materials cannot be used to decorate.) Cake board must be cut parallel to the shape of the cake and not exceed 2'x2' maximum limit. Non-edible internal supports are allowed but must not show. No non-edible materials can be used.

#### E. Bottom Base Border required.

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### CAKE DECORATING—UNIT 7 – FLAT SURFACE AND NAIL FLOWERS

Class 2625	Cake Decorating Unit 7	Int.
Class 2626	Cake Decorating Unit 7	Sr.

Exhibit 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**) (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 four cakes and exhibit cake on the expense page in the 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-inch 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. No Fondant.

E. **Side trim is required.**

F. **Bottom Base Border required.**

G. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### CAKE DECORATING—UNIT 8 – FONDANT

Class 2627	Cake Decorating Unit 8	Int.
Class 2628	Cake Decorating Unit 8	Sr.

Exhibit 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 cakes plus the exhibit (**TOTAL OF 5**) (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 and 3 of the 5 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 four required cakes and exhibit cake on the expense page in the e-Record.**

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

D. One decorated two layered cake or cake form 8, 9 or 10-inches round or square covered in fondant and decorated using skills learned from Units 3-7 and fondant and gum paste decorations.

**E. Bottom Base Border required.**

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### **CAKE DECORATING—UNIT 9 – LILY NAIL FLOWERS**

Class 2629      Cake Decorating Unit 9      Int.

Class 2630      Cake Decorating Unit 9      Sr.

Exhibit 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**). (At least 2 of the 4 cakes must be real):

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

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

D. One decorated two-layered 8, 9, 10-inch cake or cake form using an example of string work and a flower made on a lily flower nail.

**E. String work required. Writing is not string work.**

**F. Bottom Base Border is required.**

G. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### **CAKE DECORATING—UNIT 10 –TIERED CAKES SENIORS ONLY**

Class 2631      Cake Decorating Unit 10      Sr.

Exhibit 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 Exhibited 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

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 is required.**

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### **CAKE DECORATING—UNIT 11 – MOLDS SENIORS ONLY**

Class 2632      Cake Decorating Unit 11      Sr.

Exhibit will consist of the following:

A. Completed Cake Decorating e-Record presented in 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.)

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

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 in a case (no larger than 10 inches) to protect the item from harm.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## **CAKE DECORATING—UNIT 12 –CREATE YOUR OWN SENIORS ONLY**

Class 2633      Cake Decorating Unit 12      Sr.

Exhibit 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 part of your project, a sample may be displayed as further evidence of the quality of your project. Display must not require over a 1'x1' area or consist of more than three items.**

C. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips

## CHILD DEVELOPMENT

Lorri Arnhold.....Superintendent

### Intermediate Child Development (Ages 11-13)

Note: Please read 4-H Project Exhibit Rules on page 2.

Project Exhibit Rules:

1. Each piece must be labeled with exhibitor name, age and county.
2. If the project exhibit contains multiple parts, all pieces of the exhibit must be in a secure container or bag no larger than 22" x 14" x 9" (or an overall size of 45") which has handles that allow it to be easily carried. An exhibit with multiple parts should have **NO MORE THAN 10 ITEMS**.
3. The standardized display board size of 4' x 3' is to be used for all 4-H projects. No additional items may be included in front of display board. All other exhibits should fit within a 2' x 2' x 2' space.
4. Manual and records must be securely fastened in a sturdy binder or small three-ringed notebook. No binder/notebooks with slider closures are allowed.

### Arts and Crafts

Class 2701      Arts and Crafts      Int.

Exhibit will consist of the following:

- A. Completed e-Record and Child Development Manual presented in a sturdy binder/notebook.
- B. Intermediate Child Development Manual with completed activities in Arts and Crafts Chapter and the completed Exhibit and More to Grow On questions at the end of the Arts and Crafts Chapter.
- C. Creative exhibit based on a More to Grow On activity from the Arts and Crafts Chapter.
- D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### Play

Class 2702      Play      Int.

Exhibit will consist of the following:

- A. Completed e-Record and Child Development Manual presented in a sturdy binder/notebook.
- B. Intermediate Child Development Manual with completed activities in Play Chapter and the completed Exhibit and More to Grow On questions at the end of the Play Chapter.

C. Creative exhibit based on a More to Grow On activity from the Play Chapter.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### Music and Rhythm

Class 2703      Music and Rhythm      Int.

Exhibit will consist of the following:

- A. Completed e-Record and Child Development Manual presented in a sturdy binder/notebook.
- B. Intermediate Child Development Manual with completed activities in Music and Rhythm Chapter and the completed Exhibit and More to Grow On questions at the end of the Music and Rhythm Chapter.
- C. Creative exhibit based on a More to Grow On activity from the Music and Rhythm Chapter.
- D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### Stories and Poems

Class 2704      Stories and Poems      Int.

Exhibit will consist of the following:

- A. Completed e-Record and Child Development Manual presented in a sturdy binder/notebook.
- B. Intermediate Child Development Manual with completed activities in Stories and Poems Chapter and completed Exhibit and More to Grow On questions at the end of the Stories and Poems Chapter.
- C. Creative exhibit based on a More to Grow On activity from the Stories and Poems Chapter.
- D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### Snacks

Class 2705      Snacks      Int.

Exhibit will consist of the following:

- A. Completed e-Record and Child Development Manual presented in a sturdy binder/notebook.
- B. Intermediate Child Development Manual with completed activities in Snacks Chapter and the completed Exhibit and More to Grow On questions at the end of the Snacks Chapter.
- C. Creative exhibit based on a More to Grow On activity from the Snacks Chapter.
- D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## Senior Child Development (Ages 14 and older)

### Guidance and Discipline

Class 2706      Guidance and Discipline      Sr.

Exhibit will consist of the following:

- A. Completed e-Record and Child Development Manual presented in a sturdy binder/notebook.
- B. Senior Child Development Manual with completed activities in Guidance and Discipline Chapter and the completed Exhibit and More to Grow On questions at the end of the Guidance and Discipline Chapter.
- C. Exhibit based on a More to Grow On activity from the Guidance and Discipline Chapter OR an activity developed by the member that is appropriate for Guidance and Discipline Chapter.
- D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### Parties

Class 2707      Parties      Sr.

Exhibit will consist of the following:

- A. Completed e-Record and Child Development Manual presented in a sturdy binder/notebook.
- B. Senior Child Development Manual with completed activities in Parties Chapter and the completed Exhibit and More to Grow On questions at the end of the Parties Chapter.
- C. Exhibit based on a More to Grow On activity from the Parties Chapter OR an activity developed by the member that is appropriate for Parties.
- D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### Mealtime

Class 2708      Mealtime      Sr.

Exhibit will consist of the following:

- A. Completed e-Record and Child Development Manual presented in a sturdy binder/notebook.
- B. Senior Child Development Manual with completed activities in Mealtime Chapter and the completed Exhibit and More to Grow On questions at the end of the Mealtime Chapter.
- C. Exhibit based on a More to Grow On activity from the Mealtime Chapter OR an activity developed by the member that is appropriate for Mealtime.
- D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## Safety

Class 2709      Safety      Sr.

Exhibit will consist of the following:

- A. Completed e-Record and Child Development Manual presented in a sturdy binder/notebook.
- B. Senior Child Development Manual and the completed Exhibit and More to Grow On questions at the end of the Safety Chapter.
- C. Exhibit based on a More to Grow On activity from the Safety Chapter OR an activity developed by the member that is appropriate for Safety.
- D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## Careers

Class 2710      Careers      Sr.

Exhibit will consist of the following:

- A. Completed e-Record and Child Development Manual presented in a sturdy binder/notebook.
- B. Senior Child Development Manual with completed activities in Careers Chapter and the completed Exhibit and More to Grow On questions at the end of the Careers Chapter.
- C. Exhibit based on a More to Grow On activity from the Careers Chapter OR an activity developed by the member that is appropriate for Careers.
- D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

## CLOTHING CONSTRUCTION

Eleanor West..... Superintendent

Note: Please read 4-H Project Exhibit Rules on page 2.

1. With these new 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 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.

4. Sergers may be used as a seam finish, only; not as a seam for STEAM Clothing 1.

5. Due to the difficulty of skills involved, buttonholes and button loops are to be used in STEAM Clothing 2 and above.

6. 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.,

7. **Advanced Unit STEAM Clothing 3—complete one textile experiment using your garment fashion fabric each year.** Include this information in your clothing construction e-Record: completed experiment sheets and sample(s) mounted (on 8 ½" x 11" heavy paper). No photos of experiments are allowed. Fabric must be attached. Experiments may be repeated in a subsequent year as long as different fabric is used.

8. Pattern instruction sheet is required and must be attached securely to the e-Record. Write name and county on pattern instruction sheet.

9. Do not use binders that are clear plastic with sliders.

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

11. All garments construction in STEAM Clothing 1, 2 and 3 and Unit 8 are to be made for the member with the exception of Unit 7 –Sewing for Others.

**Note: All Colorado State Fair silk items or garments will be displayed only with "permission to display" form that acknowledges possible fading caused by state fair display lighting. Permission-to-display forms are available at the Extension offices.**

**For those members who are 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

Class 2801      Pillowcase      Jr.

Exhibit 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.

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### BEGINNING CLOTHING STEAM 1

Class 2802      Pillow      Jr.

Exhibit 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 if 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.
- F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**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. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).
- F. 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 two or three pattern pieces without set-in sleeves, zippers, collars, and no button holes.

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

**Simple Top**

Class 2803	Simple Top	Jr.
Class 2804	Simple Top	Int.
Class 2805	Simple Top	Sr.

**Simple Bottom**

Class 2806	Simple Bottom (pants, pajama bottoms, shorts, skirts,)	Jr.
Class 2807	Simple Bottom (pants, pajama bottoms, shorts, skirts)	Int.
Class 2808	Simple Bottom (pants, pajama bottoms, shorts, skirts)	Sr.

**Simple Dress**

Class 2809	Simple Dress	Jr.
Class 2810	Simple Dress	Int.
Class 2811	Simple Dress	Sr.

**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.
- F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).
- 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 should include one or more of the following techniques: set-in sleeves, zippers, collars and button holes.

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

**Top**

Class 2812	Top (vest acceptable)	Jr.
Class 2813	Top (vest acceptable)	Int.
Class 2814	Top (vest acceptable)	Sr.

**Bottoms**

Class 2815	Bottom (pants or shorts)	Jr.
Class 2816	Bottom (pants or shorts)	Int.
Class 2817	Bottom (pants or shorts)	Sr.

**Skirt**

Class 2818	Skirt	Jr.
Class 2819	Skirt	Int.

Class 2820 Skirt Sr.

**Dress**

Class 2821 Dress (not formal wear) Jr.

Class 2822 Dress (not formal wear) Int.

Class 2823 Dress (not formal wear) Sr.

**Romper**

Class 2824 Romper or Jumpsuit Jr.

Class 2825 Romper or Jumpsuit Int.

Class 2826 Romper or Jumpsuit Sr.

**Two-Piece Outfit**

Class 2827 Two-Piece Outfit Jr.

Class 2828 Two-Piece Outfit Int.

Class 2829 Two-Piece Outfit Sr.

**SEWING FOR OTHERS—UNIT 7**

Class 2830 Sewing for Others Unit 7 Jr.

Class 2831 Sewing for Others Unit 7 Int.

Class 2832 Sewing for Others Unit 7 Sr.

Exhibit 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. Why, 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.
- D. Project will be evaluated on the quality of construction techniques (75 percent) and a completed e-record (25 percent).

**RECYCLED CLOTHING—UNIT 8**

Class 2833 Recycled Clothing Unit 8 Jr.

Class 2834 Recycled Clothing Unit 8 Int.

Class 2835 Recycled Clothing Unit 8 Sr.

Exhibit 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 contain fabric and be sewn.
- E. Project evaluated on quality of construction techniques, creativity of adaption (75 percent) and completed e-record (25 percent).

**ADVANCED CLOTHING CONSTRUCTION**

**Garments should demonstrate sewing skills beyond STEAM Clothing 2, for example: rolled hems, invisible zippers, tailoring techniques, etc.**

**CLOTHING STEAM 3 COTTON**

Class 2836 Cotton or Cotton Blend Int.

Class 2837 Cotton or Cotton Blend Sr.

Exhibit 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 in 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.

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### CLOTHING STEAM 3 SYNTHETICS/RAYON

Class 2838 Synthetics and Rayon Int.

Class 2839 Synthetics and Rayon Sr.

Exhibit 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 in 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. One garment or outfit of fabric containing 50-100 percent of synthetic fibers.

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### CLOTHING STEAM 3 WOOL/WOOL BLENDS

Class 2840 Wool and Wool Blend Int.

Class 2841 Wool and Wool Blend Sr.

Exhibit 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 in 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. One garment or outfit of fabric containing 50-100 percent of wool and wool-blend fibers.

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### CLOTHING STEAM 3 SILK, SILK-LIKE

Class 2842 Silk and Silk-Like Int.

Class 2843 Silk and Silk-Like Sr.

Exhibit 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 in 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. One garment or outfit of fabric containing 50-100 percent of silk and silk-like fibers.

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).



**CLOTHING STEAM 3 SPECIALTY FABRICS-  
Leather, Fur, Linen, Ramie, Hemp, Sequined,  
Beaded, etc.**

Class 2844 Specialty Fabrics Int.

Class 2845 Specialty Fabrics Sr.

Exhibit 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 in the following information on the Clothing Construction page.

5. List of all garments made
6. Percent of fiber content of each garment
7. Care of garment exhibited
8. **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. One garment or outfit using a specialty fabric such as sequined, beaded, fleece, leather, linen, etc.

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

Note: For more information on displays and projects:  
[www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

## ARTISTIC CLOTHING

Gisele Jefferson..... Superintendent

Note: Please read 4-H Project Exhibit Rules on page 2.

Project Exhibit Rules:

1. Requirement: All exhibit garments must be labeled with name, age and county and unit of the 4-H member. Labels must be attached at the inside of the neckline or at the waistband of skirts and pants. Information must be written on a label and securely attached to garment or article. This will assist in case of property loss.
2. Garments may be worn before exhibiting but should be in good, clean condition.
3. 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.**
4. E-records---Do not use covers that are clear plastic with sliders.
5. Members are encouraged to select a unit that challenges their skills. All units will be judged on required skills included in the manual.
6. *Note: All Colorado State Fair silk items or garments will be displayed only with permission-to- display form that acknowledges possible fading caused by state fair display lighting. Permission-to- display forms are available at Extension offices.*

### DECORATE YOUR DUDS—APPLIED

Class 2901	Applied	Jr.
Class 2902	Applied	Int.
Class 2903	Applied	Sr.

Exhibit will consist of the following:

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

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

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

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

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### DECORATE YOUR DUDS—STITCHED

Class 2904	Stitched	Jr.
Class 2905	Stitched	Int.
Class 2906	Stitched	Sr.

Exhibit 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). Decoration may be hand-or machine-stitched. Examples: machine or hand sewing, such as adding a collar or skirt, appliqué -stain stitch, embroidery, quilting, beading, knitting or crochet (by self or others).

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### DECORATE YOUR DUDS—COMBINATION

Class 2907	Combination	Jr.
Class 2908	Combination	Int.
Class 2909	Combination	Sr.

Exhibit 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). Decoration includes a significant amount (minimum of 30 percent each) from the two categories on one garment.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**CREATIVE SEWING—UNIT 5**

Class 2910	Costumes	Jr.
Class 2911	Costumes	Int.
Class 2912	Costumes	Sr.
Class 2913	All Other Exhibits	Jr.
Class 2914	All Other Exhibits	Int.
Class 2915	All Other Exhibits	Sr.

Exhibit will consist of the following:

A. Completed Artistic Clothing e-Record with a description of what was done 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. 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.

**CREATE YOUR OWN—UNIT 7**

Class 2916	Create Your Own Exploration of Textiles and Clothing	Int.
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Class 2917	Create Your Own Exploration of Textiles and Clothing	Sr.
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Exhibit 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, and 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 or display related to special study. The standardized display board size is 4' x 3'.

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).

**BUYMANSHIP—UNIT 8**

Class 2918	Buymanship	Int.
Class 2919	Buymanship	Sr.

Exhibit 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, which may include belts and scarves. No other accessories allowed. The exhibit needs to be neat, clean and pressed: ready for display.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

## FOODS AND NUTRITION

Vanessa Tranel.....Superintendent  
 Joy Akey.....Assistant Superintendent

Note: Please read 4-H Project Exhibit Rules on page 2.  
 Project Exhibit Rules

1. With these new foods manuals, a member may stay in the manuals for up to three years.

*It is recommended that members should start with Cooking 101 and then go on to Cooking 201 to learn basic food preparation skills before taking the more advanced units.*

2. Include a copy of the recipe used and attach securely to the e-Record. No commercial mixes are to be used.

3. Bring food items on sturdy paper plates and/or covered heavy cardboard in a zipper-locked bag for display of food exhibits when possible. Plates and pans will not be returned. Food items should be covered securely.

4. Only completed e-Records and canned goods will be returned.

5. If recipe in manual is used, may need to adjust for high altitude.

6. Food items that show signs of mold growth or need refrigeration would not be safe to eat at time of judging and will not be accepted.

7. **Members may exhibit in one or all classes from the unit that they are enrolled in. Each exhibit will need an e-record.**

8. 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 or a large proportion on or in recipes is not acceptable either.

9. **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 Exhibits

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 and 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.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

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

Class 3001	No Bake Bars/Cookies	Jr.
Class 3002	No Bake Bars/Cookies	Int.
Class 3003	No Bake Bars/Cookies	Sr.

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

Class 3004	Coffeecake	Jr.
Class 3005	Coffeecake	Int.
Class 3006	Coffeecake	Sr.

E. One non-yeast coffee cake

Class 3007	Cookies	Jr.
Class 3008	Cookies	Int.
Class 3009	Cookies	Sr.

E. 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 Exhibits

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 and 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.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

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

Class 3010	Quick Breads	Jr.
Class 3011	Quick Breads	Int.
Class 3012	Quick Breads	Sr.

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

Class 3013	Scones	Jr.
Class 3014	Scones	Int.
Class 3015	Scones	Sr.

E. Four scones of one recipe.

Class 3016	Muffins	Jr.
Class 3017	Muffins	Int.
Class 3018	Muffins	Sr.

E. Four muffins of one recipe.

### COOKING 301 UNIT 3 Exhibits

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 and 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.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Shorten 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.

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

Class 3019	Shortened Cakes	Jr.
Class 3020	Shortened Cakes	Int.
Class 3021	Shortened Cakes	Sr.

E. One shortened cake without frosting

Class 3022	Yeast Rolls	Jr.
Class 3023	Yeast Rolls	Int.
Class 3024	Yeast Rolls	Sr.

E. Four kneaded yeast rolls of one variety and shape.

Class 3025	Creative Yeast Bread	Jr.
Class 3026	Creative Yeast Bread	Int.
Class 3027	Creative Yeast Bread	Sr.

E. One recipe creative yeast bread, i.e. French bread, braided bread, other specialty bread.

Class 3028	Party Planning	Jr.
Class 3029	Party Planning	Int.
Class 3030	Party Planning	Sr.

E. 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 Exhibits

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 and 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.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

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

Class 3031	Flatbread	Jr.
Class 3032	Flatbread	Int.
Class 3033	Flatbread	Sr.

E. Four flatbreads of one variety and shape

Class 3034	Double Crust Pie	Jr.
Class 3035	Double Crust Pie	Int.
Class 3036	Double Crust Pie	Sr.

E. One 8" x 9" double-crust fruit pie made with homemade fruit filling in a disposable pie tin. No canned fruit fillings.

Class 3037	Celebration Meals	Jr.
Class 3038	Celebration Meals	Int.
Class 3039	Celebrations Meals	Sr.

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

Note: For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.

### OUTDOOR COOKING AND LIVING—UNIT 25

Class 3040	Outdoor Cooking and Living	Jr.
Class 3041	Outdoor Cooking and Living	Int.
Class 3042	Outdoor Cooking and Living	Sr.

Exhibit 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 and 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' x 3' x 3') If exhibit is larger than these dimensions, a notebook with how and what was made can be used as the exhibit.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### CULTURAL FOODS—UNIT 30

Class 3043 Cultural Foods Int.

Class 3044 Cultural Foods Sr.

Exhibit 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 and 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.

D. Exhibit will be evaluated on the quality of content in the e-record and manual activities (50 percent) and the quality of the food product (50 percent).

**Note:** The food product *must be safe* to hold at room temperature during judging and display.

### PASSPORT TO FOREIGN COOKERY—UNIT 35

Class 3045 Passport to Foreign Cookery Int.

Class 3046 Passport to Foreign Cookery Sr.

Exhibit will consist of the following:

A. Completed e-Record and 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, percentage of income spent for food, how the area of the country affects diets, etc.
2. A maximum of three pages of other information about the country, i.e., climate, geography, political structure, religion, dress, etc.
3. A maximum of five pages of menus and recipes indicating nutritional balance of a traditional meal plus page 4 in the manual presented in the binder/notebook with the other materials.

B. Include the following information on the Foods and Nutrition page:

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

C. A food product with recipe that is representative of the country.

D. Exhibit will be evaluated on the quality of content in the e-record and research of selected country (50 percent) and the quality of the food product (50 percent).

**Note:** The food product *must be safe* to hold at room temperature during judging and display.

## FOOD PRESERVATION

Note: Please read 4-H Project Exhibit Rules on page 2.

### Special Exhibit Rules for Food Preservation

1. All foods must have been preserved since the last state 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 of syrup, type pack, any additional ingredients added) as applies to product canned
  - c. Method of processing (i.e. pressure canner, water bath) and pounds or pounds of pressure used if food was pressure canned
  - d. Elevation at which processing was done
  - e. Exact processing time
  - f. Date processed

#### Examples:

<p>PEACHES ascorbic acid dip hot pack-thin syrup boiling water bath canned 35 minutes at 5,000 feet September 2016</p>	<p>GREEN BEANS hot pack, ½ tsp salt pressure canned at 12 ½ pounds 25 minutes at 5,000 feet July 2017</p>
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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 added, if any
  - d. Method of drying (oven, dehydrator, solar)
  - e. Total drying time
  - f. Date dried

#### Examples:

APRICOTS  
ascorbic-acid-dipped  
dehydrator-dried, 8 hours  
July 2017

4. Standard canning jars must be used for all canned exhibits. (**The brand name, Ball or Kerr**, imprinted on the side of the jar identifies a standard jar.) **All jars must have new two-piece lids. Re-useable 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 state fair, they should be loosened.
6. Submit two jars each of jam or jelly. One jar will be opened and judged; the other will be exhibited.
7. All preserved foods must follow CSU or USDA recommendations. Jams and jellies should be processed in a boiling water bath.
8. Any jars showing leaks or spoilage will not be judged.

## FREEZING AND DRYING— UNITS 40 & 41

Class 3101	Freezing and Drying	Jr.
Class 3102	Freezing and Drying	Int.
Class 3103	Freezing and Drying	Sr.

Exhibit 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 are to include a copy of test results for Chronic Wasting Disease. (CWD test mandatory and a copy placed in binder/notebook.)
  4. One-half cup of dried fruit.
  5. One-half cup of dried vegetable.
- D. A copy of the recipe must be attached to ensure that the product is safe.
- E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## BOILING WATER CANNING—UNIT 42

Class 3104	Boiling Water Canning	Jr.
Class 3105	Boiling Water Canning	Int.
Class 3106	Boiling Water Canning	Sr.

Exhibit 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 canned fruit and one jar of canned vegetables
  3. One jar of tomato sauce
  4. One jar of pickled fruit or vegetable, including chutney
  5. Two jars of jelly (both must be the same product)

6. Two jars of jam, conserves, fruit butters, preserves, and marmalades (both must be the same product)
7. One jar of pickled relish or salsa

D. A copy of the recipe must be attached to ensure that the product is safe.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### **PRESSURE CANNING—UNIT 43**

Class 3107      Pressure Canning                      Int.

Class 3108      Pressure Canning                      Sr.

Exhibit 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, chile con carne)

D. A copy of the recipe must be attached to ensure that the product is safe.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**Note:** For more information on displays and projects: [www.colorado4h.org/project\\_resources/StateFairExhibitReq.pdf](http://www.colorado4h.org/project_resources/StateFairExhibitReq.pdf) - look under Display Hints and Tips and Project Tips.



## HERITAGE ARTS

Nadine Henry..... Superintendent

Note: Please read 4-H Project Exhibit Rules on page 2.

Project Exhibit Rules:

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 and county of the 4-H member attached. Information must be written on cloth and attached securely to each garment/piece.

Note: Small (less than 6"x6") or delicate items should be mounted on an 8"x10" foamcore board.

3. 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. This is helpful to judges when evaluating the project.

4. All exhibits using patterns must have the pattern or a clear copy securely attached to the record, as this is useful to the judges when evaluating the project.

*Note: All Colorado State Fair silk items or garments will be displayed only with permission and an acknowledgment of possible fading caused by display lights. If forms are not available or are unsigned, the garment will not be displayed.*

5. Members are encouraged to select a project that challenges their skills. There are no specific requirements for exhibit items. Quilts do have size requirements.

6. All workmanship in Heritage Arts projects must be done by the member. All piecing and quilting must be done by the member.

7. Miscellaneous Fiber Arts classes will include Spinning, Weaving, Ethnic Arts, Rug Making and Macramé.

Note: All exhibits are limited to those that use fiber or fabrics, with the exception of Miscellaneous Heritage Arts-Non Fiber.

## CROCHET

Class 3201	Crochet	Jr.
Class 3202	Crochet	Int.
Class 3203	Crochet	Sr.

Exhibit 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.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## MISCELLANEOUS HERITAGE ARTS—FIBER (Weaving, Spun skeins, Felted bags, Batiked fabric, hooked pillows, Navaho rugs, Macramé, etc.)

Class 3204	Fiber Arts	Jr.
Class 3205	Fiber Arts	Int.
Class 3206	Fiber Arts	Sr.

Exhibit 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 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: weavings, spun skeins, felted bags, batiked fabric, hooked pillows, Navaho rug, etc.)

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## MISCELLANEOUS HERITAGE ARTS—NON FIBER (Native American beading, silver smithing, Ukrainian eggs, paper scrolling, wood carvings, etc.)

Class 3207	Non Fiber Arts	Jr.
Class 3208	Non Fiber Arts	Int.
Class 3209	Non Fiber Arts	Sr.

Exhibit 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 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, with no yarn or fabric, illustrating skills learned. Can be ethnic--specific to a culture, country or region. Examples; Native American beading, silver smithing, Ukrainian eggs, paper scrolling, wood carving, etc.

D. Project will be evaluated on the quality of the information completed in the e-Record (25 percent) and quality of the exhibit (75 percent).

### KNITTING

Class 3210	Knitting	Jr.
Class 3211	Knitting	Int.
Class 3212	Knitting	Sr.

Exhibit 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.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### NEEDLE ARTS

Class 3213	Needle Arts	Jr.
Class 3214	Needle Arts	Int.
Class 3215	Needle Arts	Sr.

Exhibit 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 illustrating what was learned. Exhibit may be framed or mounted.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### QUILTING UNIT 1

Class 3216	Quilting Unit 1	Jr.
Class 3217	Quilting Unit 1	Int.
Class 3218	Quilting Unit 1	Sr.

Exhibit will consist of the following:

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

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

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

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

1. Simple pieced quilt
2. Pillow sham
3. Two placemats or a table runner
4. Wall hanging
5. 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 advanced quilting techniques used in higher units. Examples of advanced skills are: paper or curved piecing, fussy cutting, or appliqué.

G. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### QUILTING UNIT 2

Class 3219	Quilting Unit 2	Jr.
Class 3220	Quilting Unit 2	Int.
Class 3221	Quilting Unit 2	Sr.

Exhibit 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 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.

F. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### QUILTING UNIT 3

Class 3222	Quilting Unit 3	Jr.
Class 3223	Quilting Unit 3	Int.
Class 3224	Quilting Unit 3	Sr.

Exhibit 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 have learned and used in 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).**

D. Exhibited items can be hand or machine quilted/stitched, tied or a combination if it fits the design of the quilt.

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

### QUILTING UNIT 4

Class 3225	Quilting Unit 4-Original Design	Jr.
Class 3226	Quilting Unit 4-Original Design	Int.
Class 3227	Quilting Unit 4-Original Design	Sr.

Exhibit 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. Calculations, 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:

1. Quilt for bed, wall, table or other display (no minimum or maximum size)
2. Wearable garment

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

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## HOME ENVIRONMENT

Glenda Wentworth..... Superintendent

Note: Please read 4-H Project Exhibit Rules on page 2.

**Project Exhibit Rules:**

1. Only the current year's records should be submitted.
2. The articles may be used before exhibiting but should be clean and in good condition when exhibited.
3. All exhibit items must have the name, age and county of the exhibitor attached. This information should be attached on the back and at the left-hand corner of the article.

**UNITS 1 and 2, Home Environment**

An accessory is a small decorative piece (not furniture such as end tables, night stands, 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, etc.

A household item is a small usable piece (not furniture such as end tables, night stands, sofas, chairs or window and floor coverings). Examples: wastebaskets, canisters, planters, foot stools, etc.

**HOME ENVIRONMENT—UNIT 1**

Class 3301	Home Environment Unit 1	Jr.
Class 3302	Home Environment Unit 1	Int.
Class 3303	Home Environment Unit 1	Sr.

Exhibit will consist of the following:

A. Completed Home Environment 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 Environment page.

1. Provide pictures of other recycled items made during your project (a minimum of at least 2 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. Centerpiece for table
2. Planter
3. Room or desk organizer

4. Decorative accessory for the home (see description)
5. Household item (see description)
6. Wall hanging 3'x 2'

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**HOME ENVIRONMENT—UNIT 2**

Class 3304	Home Environment Unit 2	Jr.
Class 3305	Home Environment Unit 2	Int.
Class 3306	Home Environment Unit 2	Sr.

Exhibit will consist of the following:

A. Completed Home Environment 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. Complete Color Activity #2 on page 4 of your manual and attach your results as an additional sheet to the e-Record.

C. Include the following information on the Home Environment page.

1. Provide pictures of other items made during your project (a minimum of at least 2 photos). These photos are in addition to the required photos in the e-record.

D. Select from either A or one item from B for your exhibit.

- A. Standard communication board (bulletin board – 3' x 2')
- B. OR Select one exhibit item from the following (no furniture):
  1. Centerpiece for table
  2. Planter
  3. Room or desk organizer
  4. Decorative accessory for the home (see description)
  5. Household item (see description)
  6. Wall hanging 3'x 2'

E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

**HOME ENVIRONMENT—UNIT 3**

Class 3307	Home Environment Unit 3	Jr.
Class 3308	Home Environment Unit 3	Int.
Class 3309	Home Environment Unit 3	Sr.

Exhibit will consist of the following:

A. Completed Home Environment 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. Include the following information on the Home Environment page.
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. A room design
  2. A wall hanging 3' x 2'
  3. One or set of two decorative pillow(s)
  4. Table linen
  5. Family escape plan

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### HOME ENVIRONMENT—UNIT 4

Class 3310	Home Environment Unit 4	Jr.
Class 3311	Home Environment Unit 4	Int.
Class 3312	Home Environment Unit 4	Sr.

Exhibit will consist of the following:

- A. Completed Home Environment e-Record presented in a sturdy binder/notebook, including a brief description of the room scheme and how the accessory fits into the room. 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 Environment page.
1. Provide pictures of other items made, refurbished or purchased during your project (a minimum of at least 2 photos). These are in addition to the photos required in the e-record.
  2. Attach up to three photos showing exhibit item(s) in use. These are in addition to the photos required in the e-record.
- C. An accessory (see definition under Units 1 and 2) which has been made, refurbished, or purchased to use in room or home (no furniture).

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### HOME ENVIRONMENT—UNIT 5

Class 3313	Home Environment Unit 5	Jr.
Class 3314	Home Environment Unit 5	Int.
Class 3315	Home Environment Unit 5	Sr.

Exhibit will consist of the following:

- A. Completed Home Environment 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 Environment page.
1. A brief description of the window treatment or bed covering you made or purchased.
  2. How it fits into the design scheme of the room.
  3. Attach up to 4 photos showing exhibit item(s) in use. These are in addition to the photos required in e-record.

C. One piece of a window treatment or bedcover made or purchased.

D. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

#### HOME ENVIRONMENT—UNIT 6

Class 3316	Home Environment Unit 6	Jr.
Class 3317	Home Environment Unit 6	Int.
Class 3318	Home Environment Unit 6	Sr.

Exhibit will consist of the following:

- A. Completed Home Environment 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. Provide a brief description of how the piece fits into the room design.
- C. 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.
- D. Include the following information on the Home Environment page.
1. 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.
- E. Project will be evaluated on the quality of the information completed in the e-record (25 percent) and quality of the exhibit (75 percent).

## DESIGN YOUR OWN—UNIT 7

Class 3319      Design Your Own Unit 7      Sr.

Exhibit will consist of the following:

A. Completed Home Environment e-Record emphasizing your plan and accomplishments in your story presented in a sturdy binder/notebook.

B. Exhibit can either be an item, an article, a display board or a notebook representing what you have learned in your project.

C. Home Environment e-record must include the following information:

1. Written statement including the following information:

- a. goals
- b. plan
- c. accomplishments
- d. resources used
- e. how you shared with others
- f. how you will evaluate whether you reached your goals
- g. evaluation of your project.

2. If exhibiting an item or article:

A drawing or copy of a plan for the article exhibited must be included in the Home Environment e-Record. The drawing does not have to be original or created by the exhibitor. The drawing or plan must include dimensions, a list of materials used, and a description of any changes made in the article's specification by the exhibitor. Reasons for changes must be described. The drawing or plan itself will not be judged. It is only for the judge's use in judging the article exhibited. If the drawing is missing, the exhibit will not be ranked in the top-ten placings. The standardized display board size of 4' x 3' is to be used with 4-H projects.

D. Project will be evaluated on development of a plan, goals, accomplishments and evaluation and completion of e-record (50 percent), the quality of construction or educational value of exhibit (50 percent).

**SECTION 7  
SPECIAL AWARDS**

(All awards contingent on sponsorship)

**Clothing Construction**

A special award will be presented by Pfaff Sewing Machine Company to the Grand Champion Clothing Construction Senior exhibitor in Clothing STEAM 3.

**Grand Champion in these Project Areas Are Eligible to a partially paid trip to National 4-H Congress**

The Senior Grand Champion in the following areas will win a partial paid trip to **National 4-H Congress**. A member may only go in one project area. They are: Veterinary Science, Horseless Horse, Cats, Gardening, Bicycle, Computers, Electric, Model Rocketry, Robotics, Small Engines, Entomology, Outdoor Adventures, **Shooting Sports-Exhibit, Shooting Sports-Stand Alone**, Sportfishing, Wildlife, Ceramics, Global Citizenship, Leadership, **Leathercraft (Advanced Units 4-10)**, Photography, 4-H Filmmaking, Scrapbooking, Woodworking, Visual Arts, Cake Decorating, Child Development, **Clothing Construction (Units 1-2, 7-8)**, Artistic Clothing, Foods and Nutrition (Units 1-4), Specialty Foods (25, 30, & 35), Food Preservation, Heritage Arts, and Home Environment.