

General and Consumer Science Exhibits

County Fair Entries: Wednesday, June 1, 2016

Project Check-in & Judging: Monday, July 25, 2016

(See interview judging schedule for time)

Exhibit Requirements

1. Age Classifications are as follows:
 - 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. Grand Champion and Reserve Grand Champion can be given in each division if merited. Only first blue in each unit will be eligible to compete at the Colorado State Fair. Merit of exhibit will determine the ribbon awarded. Incomplete exhibits will receive a white ribbon.
8. Exhibits that exceed project skill, number or size requirements will not be considered for Champion or Reserve Champion or first blue placing and will not be sent to the State Fair.
9. Youth may not enter the same exhibit more than one year.
10. Due to a large change in projects with multiple class entry options per unit/age division (especially foods and clothing), for the 2016 County Fair only, class number changes will be allowed during judging. No unit changes will be allowed as members must be enrolled in the correct unit prior to the March 1 add/drop deadline. This will apply to the following project units:

| | |
|--|---|
| Archery: Display Board vs Stand-Alone | Air Rifle: Display Board vs Stand-Alone |
| Shotgun: Display Board vs Stand-Alone | .22 Rifle: Display Board vs Stand-Alone |
| .22 Pistol: Display Board vs Stand-Alone | Muzzleloading: Display Board vs Stand-Alone |
| Air Pistol: Display Board vs Stand-Alone | Western Heritage: Display Board vs Stand-Alone |
| Outdoor Skills: Display Board vs Stand-Alone | Ceramics Unit 1: Glazes vs Bisque Option |
| Ceramics Unit 2: Underglazes vs Bisque Option | Ceramics Unit 4: Unfired Finishes vs Bisque Option |
| 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 | Cake Decorating Unit 5: Themed vs Stacked vs Character |
| Child Development: Arts & Crafts vs Play vs Music & Rhythm vs Stories & Poems vs Snacks vs Guidance & Discipline vs Parties vs Mealtime vs | Clothing STEAM 1: Pillowcase vs Pillow vs Simple Top vs Simple Bottom vs Simple Dress |

General and Consumer Science Exhibits

| | |
|--|--|
| Safety vs Careers | |
| 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 |
| Artistic Clothing: Applied vs Stitched vs Combo | Sewing Unit 5: Costumes vs All Other Exhibits |
| 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 |

11. 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.)
12. Judges decisions are final.
13. 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 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

The Pueblo County 4-H Photo Contest is open to any 4-H member. The 4-H member does NOT have to be enrolled in photography. No e-Record is required. Submitted pictures must have been taken in Colorado to be eligible for the contest. Cloverbuds may participate and will receive participation ribbons.

General and Consumer Science Exhibits

Junior, intermediate and senior winners will advance on to the Colorado State Fair for the Colorado 4-H Photo Contest.

Picture Entry: Monday, July 25, 2016 between 8:00am and 10:00am to the Events Center (no pre-entry required.)

1. The picture must be an 8" x 10" print.
2. The photo must be mounted on a mat and suitable for hanging. **No frames and no glass.**
3. The maximum size for the matted only picture is no larger than 12" x 14" (no frame or glass).
4. The photo must be labeled on the back with:
 - a. Name
 - b. County
 - c. Date, time and location of photo (Photos MUST be taken in Colorado!)
 - d. Make and model of camera used
 - e. ASA film speed (for film cameras) or ISO resolution setting (for digital cameras)
 - f. Title of photo
5. Photos will be judged according to the following criteria:
 - a. Composition/Presentation
 - b. Focus/Sharpness
 - c. Lighting
 - d. Creativity

2016 COLORADO STATE FAIR 4-H EXHIBIT REQUIREMENTS

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

Table of Contents

| | |
|---|----|
| 4-H Project Rules..... | 2 |
| State Fair Judging/Ribbon Awards..... | 2 |
| Displays for State Fair 4-H Exhibits..... | 3 |
| GENERAL EXHIBITS | |
| Section 1 – Animal Science | |
| Veterinary Science..... | 4 |
| Horseless Horse..... | 5 |
| Cats..... | 6 |
| Section 2 – Biological Sciences | |
| Gardening..... | 7 |
| Section 3 – Mechanical Sciences | |
| Bicycle..... | 8 |
| Computers..... | 9 |
| Electric..... | 10 |
| Geospatial..... | 11 |
| Model Rocketry..... | 12 |
| Power of Wind..... | 14 |
| Robotics..... | 15 |
| Small Engines..... | 17 |
| Section 4 – Natural Resources | |
| Entomology..... | 18 |
| Outdoor Adventures..... | 20 |
| Shooting Sports..... | 21 |
| Sportfishing..... | 23 |
| Wildlife..... | 25 |
| Section 5 – Communication, Arts & Leisure Sciences | |
| Ceramics..... | 26 |
| Global Citizenship..... | 29 |
| Leadership..... | 30 |
| Leathercraft..... | 31 |
| Photography..... | 34 |
| Filmmaking..... | 37 |
| Scrapbooking..... | 38 |
| Woodworking..... | 40 |
| Visual Arts..... | 41 |

| | |
|-------------------------------------|----|
| Section 6 – Consumer Science | |
| Cake Decorating..... | 42 |
| Child Development..... | 48 |
| Clothing Construction..... | 50 |
| Artistic Clothing..... | 55 |
| Foods and Nutrition..... | 57 |
| Food Preservation..... | 60 |
| Heritage Arts..... | 62 |
| Home Environment..... | 66 |
| Section 7 – Special Awards | |
| State Fair Exhibit Awards..... | 69 |

General Superintendents

| | |
|-------------------------|---------------------------------|
| Barbie Garnett..... | Overall General Superintendent |
| Lacey Mann..... | General Building Superintendent |
| Julia Hurdelbrink..... | Cons. Science Superintendent |
| Amy McFarland..... | Shooting Sports Superintendent |
| Brian Kailey..... | Natural Resource 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 2016 Contest Requirements at: 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 19th 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. 4-H e-Records may be completed by pencil, ink or computer. The choice will not affect judging.
6. Display boards must meet the specifications. The standardized display board size of 4ft. x 3ft. is to be used for 4-H projects.
7. 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.
8. Exhibit entries will be done online. The Extension agent is to enter each exhibit online with a **description**.
9. Entry labels: Each exhibit and sturdy binder/notebook (containing e-Record and other materials) is to have a label containing the following: county name, county number, exhibitor name and 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.
10. Exhibits are to be entered into the online entries by **5 pm on Monday, August 15**. Exhibits are due to state fair **on Wednesday, August 17 between 8:00 am and 12noon. Exhibits will be taken down on**

Tuesday, September 6. 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.

11. All Champion, Reserve Champion and placing award exhibits must be displayed and remain on display for the duration of the state fair.
12. Any exhibit released for a special state fair activity that has received a placing award must be returned for display.
13. The management will not be responsible for loss or damage to exhibits, although it will use all care to ensure their safety.
14. 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. Third through 10th-place ribbons will be awarded. All exhibits will receive a state fair qualifier ribbon.
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. Exhibits that do not meet exhibit standards and requirements will not be considered for Champion, Reserve Champion or third through 10th-place ribbons.
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.

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 DIVISION

SECTION 1 ANIMAL SCIENCE

VETERINARY SCIENCE

Note: For more information on displays and projects:
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 001 | From Airedales to Zebras | Jr. |
| Class 002 | From Airedales to Zebras | Int. |
| Class 003 | From Airedales to Zebras | Sr. |

ALL SYSTEMS GO!—UNIT 2

| | | |
|-----------|----------------|------|
| Class 004 | All Systems Go | Jr. |
| Class 005 | All Systems Go | Int. |
| Class 006 | All Systems Go | Sr. |

ON THE CUTTING EDGE—UNIT 3

| | | |
|-----------|---------------------|------|
| Class 007 | On the Cutting Edge | Jr. |
| Class 008 | On the Cutting Edge | Int. |
| Class 009 | 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 010 | Unit 1 | Jr. |
| Class 011 | Unit 1 | Int. |
| Class 012 | Unit 1 | Sr. |

HORSELESS HORSE—UNIT 2

| | | |
|-----------|--------|------|
| Class 013 | Unit 2 | Jr. |
| Class 014 | Unit 2 | Int. |
| Class 015 | Unit 2 | Sr. |

HORSELESS HORSE—UNIT 3

| | | |
|-----------|--------|------|
| Class 016 | Unit 3 | Jr. |
| Class 017 | Unit 3 | Int. |
| Class 018 | Unit 3 | Sr. |

HORSELESS HORSE—UNIT 4

| | | |
|-----------|--------|------|
| Class 019 | Unit 4 | Jr. |
| Class 020 | Unit 4 | Int. |
| Class 021 | 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 - 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 022 Cat 1 Jr.

Class 023 Cat 1 Int.

Class 024 Cat 1 Sr.

CAT 2 –CLIMBING UP

Class 025 Cat 2 Jr.

Class 026 Cat 2 Int.

Class 027 Cat 2 Sr.

CAT 3 –LEAPING FORWARD

Class 028 Cat 3 Jr.

Class 029 Cat 3 Int.

Class 030 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 - look under Display Hints and Tips and Project Tips.

SECTION 2 BIOLOGICAL SCIENCE

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 100 | See Them Sprout | Jr. |
| Class 101 | See Them Sprout | Int. |
| Class 102 | See Them Sprout | Sr. |

LET'S GET GROWING!—UNIT 2

| | | |
|-----------|-------------------|------|
| Class 103 | Let's Get Growing | Jr. |
| Class 104 | Let's Get Growing | Int. |
| Class 105 | Let's Get Growing | Sr. |

TAKE YOUR PICK—UNIT 3

| | | |
|-----------|----------------|------|
| Class 106 | Take Your Pick | Jr. |
| Class 107 | Take Your Pick | Int. |
| Class 108 | Take Your Pick | Sr. |

GROWING PROFITS—UNIT 4 (Senior Adv)

| | | |
|-----------|-----------------|----------|
| Class 109 | Growing Profits | Sr. Adv. |
|-----------|-----------------|----------|

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 - look under Display Hints and Tips and Project Tips.

**SECTION 3
MECHANICAL SCIENCES**

BICYCLE

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

BICYCLING FOR FUN—Unit 1

| | | |
|-----------|-------------------|------|
| Class 200 | Bicycling for Fun | Jr. |
| Class 201 | Bicycling for Fun | Int. |
| Class 202 | Bicycling for Fun | Sr. |

WHEELS IN MOTION—Unit 2

| | | |
|-----------|------------------|------|
| Class 203 | Wheels in Motion | Jr. |
| Class 204 | Wheels in Motion | Int. |
| Class 205 | Wheels in Motion | Sr. |

BICYCLE SELF-DETERMINED—Unit 3

| | | |
|-----------|-------------------------|------|
| Class 206 | Bicycle Self-Determined | Int. |
| Class 207 | 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 - look under Display Hints and Tips and Project Tips.

COMPUTERS

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. DO NOT include computer disks or other media that may inadvertently be damaged or rendered inoperable due to transport of the project or the display process.

Note: Not all judging locations will have computer or Internet resources available. Display items must be self-contained and capable of being judged "as is." For example: sample printouts of code developed, multimedia projects created or Web pages/sites developed. No three-dimensional displays will be accepted.

NEWBIE KNOW-HOW

| | | |
|-----------|-----------------|------|
| Class 208 | Newbie Know-How | Jr. |
| Class 209 | Newbie Know-How | Int. |
| Class 210 | Newbie Know-How | Sr. |

INSIDE THE BOX

| | | |
|-----------|----------------|------|
| Class 211 | Inside the Box | Jr. |
| Class 212 | Inside the Box | Int. |
| Class 213 | Inside the Box | Sr. |

P2P—PEER TO PEER

| | | |
|-----------|---------------------|------|
| Class 214 | P2P—Peer to Peer | Int. |
| Class 215 | P2P----Peer to Peer | Sr. |

COMPUTERS IN THE 21ST CENTURY

| | | |
|-----------|------------------------------------|------|
| Class 216 | Computers 21 st Century | Int. |
| Class 217 | Computers 21 st Century | Sr. |

TEENS TEACHING TECH

| | | |
|-----------|---------------------|-----|
| Class 218 | Teens Teaching Tech | Sr. |
|-----------|---------------------|-----|

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) and completed e-record. For Computers in the 21st Century a completed e-record is required.

B. 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.

For Computers in the 21st Century display ideas may be but not limited to: application design, operation and development, development and personalization of operating systems (such as Linux), advanced programming language use and writing code to perform tasks, utilization of social networking with considerations of professionalism, researching careers that utilize computer skills (such as online marketing, computer programming, etc.), advanced web design and development, working with SMART devices, game developments and many other areas.

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.

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 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 219 | Magic of Electricity | Jr. |
| Class 220 | Magic of Electricity | Int. |
| Class 221 | 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 222 | Investigating Electricity | Jr. |
| Class 223 | Investigating Electricity | Int. |
| Class 224 | 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 225 | Wired for Power | Jr. |
| Class 226 | Wired for Power | Int. |
| Class 227 | 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 228 | Entering Electronics | 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) 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 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.

GEOSPATIAL

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 229 | Setting Out | Jr. |
| Class 230 | Setting Out | Int. |
| Class 231 | 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 232 | On the Trail | Jr. |
| Class 233 | On the Trail | Int. |
| Class 234 | 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 235 | Reaching Your Destination | Jr. |
| Class 236 | Reaching Your Destination | Int. |
| Class 237 | 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 238 | Group Project | Jr. |
| Class 239 | Group Project | Int. |
| Class 240 | 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 - 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 241 | Introduction to Rocketry | Jr. |
| Class 242 | Introduction to Rocketry | Int. |
| Class 243 | 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 244 | Basic Model Rocketry | Jr. |
| Class 245 | Basic Model Rocketry | Int. |
| Class 246 | 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 247 | Intermediate Model Rocketry | Jr. |
| Class 248 | Intermediate Model Rocketry | Int. |
| Class 249 | 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 250 | Advanced Model Rocketry | Jr. |
| Class 251 | Advanced Model Rocketry | Int. |
| Class 252 | 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 253 | Designer Model Rocketry | Jr. |
| Class 254 | Designer Model Rocketry | Int. |
| Class 255 | 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 - look under Display Hints and Tips and Project Tips.

POWER OF WIND

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

The exhibit must be able to go through a standardized door (approx. 31" x 80" and approximately no taller than 8 feet high). If the exhibit exceeds these dimensions, please contact the State 4-H Office (970-491-7883) prior to entering the state fair.

A member may choose which class he/she would like to exhibit. A member may exhibit in more than one class if he/she chooses.

POWER OF WIND—POWERED VEHICLE

| | | |
|-----------|-----------------|------|
| Class 256 | Powered Vehicle | Jr. |
| Class 257 | Powered Vehicle | Int. |
| Class 258 | Powered Vehicle | Sr. |

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

B. A wind powered vehicle that has been designed, built and tested by the 4-H member.

C. Attach a self-explanatory single side sheet of paper to the exhibit, explaining the power of wind vehicle (large enough to read).

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).

POWER OF WIND—POWERED MACHINE

| | | |
|-----------|-----------------|------|
| Class 259 | Powered Machine | Jr. |
| Class 260 | Powered Machine | Int. |
| Class 261 | Powered Machine | Sr. |

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

B. A wind powered machine that has been designed, built and tested by the 4-H member.

C. Attach a self-explanatory single side sheet of paper to the exhibit, explaining the power of wind machine (large enough to read).

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).

POWER OF WIND—SCULPTURE

| | | |
|-----------|----------------|-----|
| Class 262 | Wind Sculpture | Jr. |
|-----------|----------------|-----|

| | | |
|-----------|----------------|------|
| Class 263 | Wind Sculpture | Int. |
|-----------|----------------|------|

| | | |
|-----------|----------------|-----|
| Class 264 | Wind Sculpture | Sr. |
|-----------|----------------|-----|

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

B. A wind powered sculpture that has been designed, built and tested by the 4-H member.

C. Attach a self-explanatory single side sheet of paper to the exhibit, explaining the power of wind sculpture (large enough to read).

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).

POWER OF WIND—OTHER

| | | |
|-----------|-------|------|
| Class 265 | Other | Jr. |
| Class 266 | Other | Int. |
| Class 267 | Other | Sr. |

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

B. A wind powered other that has been designed, built and tested by the 4-H member.

C. Attach a self-explanatory single side sheet of paper to the exhibit, explaining the power of wind other (large enough to read).

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 268 | Group Project | Jr. |
| Class 269 | Group Project | Int. |
| Class 270 | Group Project | Sr. |

Exhibit will consist of the following:

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

B. A wind powered vehicle, machine or sculpture or other.

C. Attach a self-explanatory single side sheet of paper to the exhibit, explaining what you designed (large enough to read).

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).

ROBOTICS

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

1. 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, TETRIX, CEENBot, and VEX.
2. For more information about the FIRST Robotic organization check out: www.usfirts.org
3. For more information about the BEST Robotics organization check out: www.bestinc.org.
4. OR –this means that the member can choose between the two items. The member can either exhibit an article or he/she can make a display board but not both.

JUNK DRAWER ROBOTICS UNIT 1—GIVE ROBOTICS A HAND

| | | |
|-----------|----------------------|------|
| Class 271 | Give Robotics a Hand | Jr. |
| Class 272 | Give Robotics a Hand | Int. |
| Class 273 | Give Robotics a Hand | Sr. |

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

B. One article or display board which you have made as a part of this unit of study. (Example: marshmallow catapult, robotic arm, robotic gripper, et al.) 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).

JUNK DRAWER ROBOTICS UNIT 2—ROBOTS ON THE MOVE

| | | |
|-----------|--------------------|------|
| Class 274 | Robots on the Move | Jr. |
| Class 275 | Robots on the Move | Int. |
| Class 276 | Robots on the Move | Sr. |

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

B. One article or display board 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.) 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).

JUNK DRAWER ROBOTICS UNIT 3—MECHATRONICS

| | | |
|-----------|--------------|------|
| Class 277 | Mechatronics | Jr. |
| Class 278 | Mechatronics | Int. |
| Class 279 | Mechatronics | Sr. |

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

B. One article or display board 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.) 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 4—LEVEL 1

| | | |
|-----------|--------------------|------|
| Class 280 | Platforms –Level 1 | Jr. |
| Class 281 | Platforms –Level 1 | Int. |
| Class 282 | Platforms—Level 1 | 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—LEVEL 2

| | | |
|-----------|-------------------|------|
| Class 283 | Platforms—Level 2 | Jr. |
| Class 284 | Platforms—Level 2 | Int. |
| Class 285 | Platforms—Level 2 | 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—LEVEL 3

| | | |
|-----------|--------------------|------|
| Class 286 | Platform—Level 3 | Jr. |
| Class 287 | Platform---Level 3 | Int. |
| Class 288 | Platform—Level 3 | 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).

FIRST LEGO LEAGUE (FLL) UNIT 7

| | | |
|-----------|-----|------|
| Class 289 | FLL | Jr. |
| Class 290 | FLL | Int. |
| Class 291 | FLL | 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).

FIRST TECH CHALLENGE (FTC) UNIT 8

| | | |
|-----------|-----|------|
| Class 292 | FTC | Jr. |
| Class 293 | FTC | Int. |
| Class 294 | FTC | 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).

FIRST ROBOTICS COMPETITION (FRC) UNIT 9

| | | |
|-----------|-----|------|
| Class 295 | FRC | Jr. |
| Class 296 | FRC | Int. |
| Class 297 | FRC | 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).

BEST ROBOTICS UNIT 10

| | | |
|-----------|------|------|
| Class 298 | BEST | Jr. |
| Class 299 | BEST | Int. |
| Class 300 | BEST | 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 301 | Crank It Up | Jr. |
| Class 302 | Crank It Up | Int. |
| Class 303 | 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 304 | Warm It Up | Jr. |
| Class 305 | Warm It Up | Int. |
| Class 306 | 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 307 | Tune It Up | Jr. |
| Class 308 | Tune It Up | Int. |
| Class 309 | 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 310 | Advanced Small Engines | Jr. |
| Class 311 | Advanced Small Engines | Int. |
| Class 312 | 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).

SECTION 4 NATURAL RESOURCES

ENTOMOLOGY

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

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.

Regular insect pins are required in all units.

On Units 2 through 7, records must include date and location where insects were collected. Place this information on labels attached to insect pins.

LET'S LEARN ABOUT INSECTS—UNIT 1

| | | |
|-----------|---------------------------|------|
| Class 400 | Let's Learn About Insects | Jr. |
| Class 401 | Let's Learn About Insects | Int. |
| Class 402 | 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 403 | Learn More About Insects | Jr |
| Class 404 | Learn More About Insects | Int. |
| Class 405 | 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 406 | Insect Habits and Controls | Jr. |
| Class 407 | Insect Habits and Controls | Int. |
| Class 408 | 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 409 | Insect Identification/Community Projects | Jr. |
| Class 410 | Insect Identification/Community Projects | Int. |
| Class 411 | 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 412 Immature Insects and Life Stages Jr.

Class 413 Immature Insects and Life Stages Int.

Class 414 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 415 Exploring with Insects Jr.

Class 416 Exploring with Insects Int.

Class 417 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 418 Exploring with Insects Adv Jr.

Class 419 Exploring with Insects Adv Int.

Class 420 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 - 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 421 | Hiking Trails | Jr. |
| Class 422 | Hiking Trails | Int. |
| Class 423 | Hiking Trails | Sr. |

CAMPING ADVENTURES—UNIT 2

| | | |
|-----------|--------------------|------|
| Class 424 | Camping Adventures | Jr. |
| Class 425 | Camping Adventures | Int. |
| Class 426 | Camping Adventures | Sr. |

BACKPACKING EXPEDITIONS—UNIT 3

| | | |
|-----------|-------------------------|------|
| Class 427 | Backpacking Expeditions | Jr. |
| Class 428 | Backpacking Expeditions | Int. |
| Class 429 | 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 - 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, broadheads, knives or functional firearms are allowed to be displayed.

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. 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.

8. 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.

9. 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.

ARCHERY

| | | |
|-----------|---------|------|
| Class 430 | Archery | Jr. |
| Class 431 | Archery | Int. |
| Class 432 | Archery | Sr. |

AIR RIFLE

| | | |
|-----------|-----------|------|
| Class 433 | Air Rifle | Jr. |
| Class 434 | Air Rifle | Int. |
| Class 435 | Air Rifle | Sr. |

SHOTGUN

| | | |
|-----------|---------|------|
| Class 436 | Shotgun | Jr. |
| Class 437 | Shotgun | Int. |
| Class 438 | Shotgun | Sr. |

.22 RIFLE

| | | |
|-----------|-----------|------|
| Class 439 | .22 Rifle | Jr. |
| Class 440 | .22 Rifle | Int. |
| Class 441 | .22 Rifle | Sr. |

.22 PISTOL

| | | |
|-----------|-------------|------|
| Class 442 | .22 Pistol | Jr. |
| Class 443 | .22 Pistol | Int. |
| Class 444 | . 22 Pistol | Sr. |

BLACK POWDER MUZZLELOADING

| | | |
|-----------|---------------|------|
| Class 445 | Muzzleloading | Jr. |
| Class 446 | Muzzleloading | Int. |
| Class 447 | Muzzleloading | Sr. |

AIR PISTOL

| | | |
|-----------|------------|------|
| Class 448 | Air Pistol | Jr. |
| Class 449 | Air Pistol | Int. |
| Class 450 | Air Pistol | Sr. |

WESTERN HERITAGE

| | | |
|-----------|------------------|------|
| Class 451 | Western Heritage | Jr. |
| Class 452 | Western Heritage | Int. |
| Class 453 | Western Heritage | Sr. |

OUTDOOR SKILLS

| | | |
|-----------|----------------|------|
| Class 454 | Outdoor Skills | Jr. |
| Class 455 | Outdoor Skills | Int. |
| Class 456 | 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.

ARCHERY

- Class 457 Archery Stand Alone Jr.
- Class 458 Archery Stand Alone Int.
- Class 459 Archery Stand Alone Sr.

AIR RIFLE

- Class 460 Air Rifle Stand Alone Jr.
- Class 461 Air Rifle Stand Alone Int.
- Class 462 Air Rifle Stand Alone Sr.

SHOTGUN

- Class 463 Shotgun Stand Alone Jr.
- Class 464 Shotgun Stand Alone Int.
- Class 465 Shotgun Stand Alone Sr.

AIR PISTOL

- Class 466 Air Pistol Stand Alone Jr.
- Class 467 Air Pistol Stand Alone Int.
- Class 468 Air Pistol Stand Alone Sr.

.22 RIFLE

- Class 469 .22 Rifle Stand Alone Jr.
- Class 470 .22 Rifle Stand Alone Int.
- Class 471 .22 Rifle Stand Alone Sr.

.22 PISTOL

- Class 472 .22 Pistol Stand Alone Jr.
- Class 473 .22 Pistol Stand Alone Int.
- Class 474 .22 Pistol Stand Alone Sr.

WESTERN HERITAGE

- Class 475 Western Heritage Stand Alone Jr.
- Class 476 Western Heritage Stand Alone Int.

Class 477 Western Heritage Stand Alone Sr.

OUTDOOR SKILLS

- Class 478 Outdoor Stand Alone Jr.
- Class 479 Outdoor Stand Alone Int.
- Class 480 Outdoor Stand Alone Sr.

BLACK POWDER MUZZLELOADING

- Class 481 Muzzleloading Stand Alone Jr.
- Class 482 Muzzleloading Stand Alone Int.
- Class 483 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

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

http://www.colorado4h.org/project_resources/ere-cords/index.php

D. Exhibit may be a display board or a stand-alone item, such as gun stocks, or decoys. Display items that illustrate 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.

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 484 | Take The Bait | Jr. |
| Class 485 | Take the Bait | Int. |
| Class 486 | Take the Bait | Sr. |

REEL IN THE FUN—UNIT 2

| | | |
|-----------|-----------------|------|
| Class 487 | Reel in the Fun | Jr. |
| Class 488 | Reel in the Fun | Int. |
| Class 489 | Reel in the Fun | Sr. |

CAST INTO THE FUTURE—UNIT 3

| | | |
|-----------|----------------------|------|
| Class 490 | Cast into the Future | Jr. |
| Class 491 | Cast into the Future | Int. |
| Class 492 | 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 493 Sportfishing Stand Alone Jr.

Class 494 Sportfishing Stand Alone Int.

Class 495 Sportfishing Stand Alone Sr.

Reel in the Fun Unit 2

Class 496 Sportfishing Stand Alone Jr.

Class 497 Sportfishing Stand Alone Int.

Class 498 Sportfishing Stand Alone Sr.

Cast into the Future Unit 3

Class 499 Sportfishing Stand Alone Jr.

Class 500 Sportfishing Stand Alone Int.

Class 501 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 - 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 502 | The Worth of Wild Root | Jr. |
| Class 503 | The Worth of Wild Root | Int. |
| Class 504 | The Worth of Wild Root | Sr. |

Unit 2 Wildlife Conservation—Living Wild in an Ecosystem

| | | |
|-----------|-----------------------------|------|
| Class 505 | Living Wild in an Ecosystem | Jr. |
| Class 506 | Living Wild in an Ecosystem | Int. |
| Class 507 | Living Wild in an Ecosystem | Sr. |

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

| | | |
|-----------|---------------------|------|
| Class 508 | Managing in a World | Jr. |
| Class 509 | Managing in a World | Int. |
| Class 510 | Managing in a World | Sr. |

Stand-Alone Items (For all units)

| | | |
|-----------|------------------|------|
| Class 511 | Stand-Alone Item | Jr. |
| Class 512 | Stand-Alone Item | Int. |
| Class 513 | 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 - look under Display Hints and Tips and Project Tips.

SECTION 5 COMMUNICATION, ARTS, & LEISURE SCIENCES

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 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 600 | Glazes | Jr. |
| Class 601 | Glazes | Int. |
| Class 602 | Glazes | Sr. |
| Class 603 | Bisque Option | Jr. |
| Class 604 | Bisque Option | Int. |
| Class 605 | 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 606 | Underglazes | Jr. |
| Class 607 | Underglazes | Int. |
| Class 608 | Underglazes | Sr. |
| Class 609 | Bisque Option | Jr. |
| Class 610 | Bisque Option | Int. |
| Class 611 | 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 612 | Overglazes | Jr. |
| Class 613 | Overglazes | Int. |
| Class 614 | 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 615 | Unfired Finishes | Jr. |
| Class 616 | Unfired Finishes | Int. |
| Class 617 | Unfired Finishes | Sr. |
| Class 618 | Bisque Option | Jr. |
| Class 619 | Bisque Option | Int. |
| Class 620 | 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 621 | Porcelain Dolls | Jr. |
| Class 622 | Porcelain Dolls | Int. |
| Class 623 | 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 624 | Hand-Constructed | Jr. |
| Class 625 | Hand-Constructed | Int. |
| Class 626 | 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 627 | Study of Another Country | Jr. |
| Class 628 | Study of Another Country | Int. |
| Class 629 | 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 630 | Host a Delegate From Another Country | Jr. |
| Class 631 | Host a Delegate From Another Country | Int. |
| Class 632 | 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 633 | Youth Counselor | Int. |
| Class 634 | 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 635 | Exchange Delegate to Another Country | Int. |
| Class 636 | 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 637 Ind. Skills for Young Members Jr.

INDIVIDUAL SKILLS FOR OLDER MEMBERS

Class 638 Ind. Skills for Older Members Int.

Class 639 Ind. Skills for Older Members Sr.

SKILLS WORKING WITHIN GROUPS

Class 640 Skills Working Within Groups Int.

Class 641 Skills Working Within Groups Sr.

SKILLS LEADING GROUPS

Class 642 Skills Leading Groups Int.

Class 643 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 - 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 background.

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

Color shading—is where you use shades of color to make the design look more realistic. For example, you can use darker and lighter shades of a color on a flower you have tooled to make it look realistic, or an animal or figure 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 644 Intro to Leathercraft & Stamping Jr.

Class 645 Intro to Leathercraft & Stamping Int.

Class 646 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 647 Beginning Leather Carving Jr.

Class 648 Beginning Leather Carving Int.

Class 649 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 a as well as use of pear shader, beveller and veiner.
 - c. Steps shown in samples a and b as well as use of seeder, backgrounder and decorative cuts. Clear leather finish applied to sample c (optional for samples a and b). **Note: The labels should reflect the tools used for each sample.**

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

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 650 | Leather Carving | Jr. |
| Class 651 | Leather Carving | Int. |
| Class 652 | 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 653 | Advanced Leather Carving | Jr. |
| Class 654 | Advanced Leather Carving | Int. |
| Class 655 | 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 656 | Coloring and Shading | Jr. |
| Class 657 | Coloring and Shading | Int. |
| Class 658 | 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 659 | Pictorial Carving | Jr. |
| Class 660 | Pictorial Carving | Int. |
| Class 661 | 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 662 | Making and Rebuilding Saddles | Jr. |
| Class 663 | Making and Rebuilding Saddles | Int. |
| Class 664 | 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 665 Creative Stamping Jr.

Class 666 Creative Stamping Int.

Class 667 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 668 Braiding and Untooled Jr.

Class 669 Braiding and Untooled Int.

Class 670 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 671 Sewing Leather Jr.

Class 672 Sewing Leather Int.

Class 673 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 _____
 Type of film _____
 Exposure details _____
 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 674 Focus on Photography | Jr. |
| Class 675 Focus on Photography | Int. |
| Class 676 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. Type of film
 3. Exposure details
 4. Journal page # (if using card stock to mount pictures)
 5. Photo# (left to right and top to bottom)
 6. Subject
 7. 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 677 Controlling the Image | Jr. |
| Class 678 Controlling the Image | Int. |
| Class 679 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 Best 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. Type of film
 3. Exposure details
 4. Journal page # (if using card stock to mount pictures)
 5. Photo# (left to right and top to bottom)
 6. Subject
 7. 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 (Best 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 -3 photos
10. Photo Journal Page 44 -3 to 5 photos
11. Photo Journal Page 48 -1 photo
12. Photo Journal Page 52 -3 to 4 photos
13. Photo Journal Page 56 -2 photos
14. Photo Journal Page 60 -3 photos
15. Photo Journal Page 64 -3 photos
16. Photo Journal Page 68 - panorama

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

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 680 | Mastering Photography | Jr. |
| Class 681 | Mastering Photography | Int. |
| Class 682 | 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 Best 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. Type of film
 3. Exposure details
 4. Journal page # (if using card stock to mount pictures)
 5. Photo# (left to right and top to bottom)
 6. Subject
 7. 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 (Best 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 683 | Lightning Photos | Jr. |
| Class 684 | Lightning Photos | Int. |
| Class 685 | 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. Type of film
 3. Exposure details
 4. Photo# (left to right and top to bottom)
 5. Subject
 6. 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 686 | Advanced Photography | Jr. |
| Class 687 | Advanced Photography | Int. |
| Class 688 | 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
- 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).

Animation

| | | |
|-----------|-----------|------|
| Class 689 | Animation | Jr. |
| Class 690 | Animation | Int. |
| Class 691 | Animation | Sr. |

Narrative

| | | |
|-----------|-----------|------|
| Class 692 | Narrative | Jr. |
| Class 693 | Narrative | Int. |
| Class 694 | Narrative | Sr. |

Documentary

| | | |
|-----------|-------------|------|
| Class 695 | Documentary | Jr. |
| Class 696 | Documentary | Int. |
| Class 697 | Documentary | Sr. |

Promotional

| | | |
|-----------|-------------|------|
| Class 698 | Promotional | Jr. |
| Class 699 | Promotional | Int. |
| Class 700 | Promotional | Sr. |

Voices of 4-H History

| | | |
|-----------|-----------------------|------|
| Class 701 | Voices of 4-H History | Jr. |
| Class 702 | Voices of 4-H History | Int. |
| Class 703 | Voices of 4-H History | Sr. |

Note: For more information on displays and projects: 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 704 | One scrapbooking page | Jr. |
| Class 705 | One scrapbooking page | Int. |
| Class 706 | 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 is 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 707 | Two page layout | Jr. |
| Class 708 | Two page layout | Int. |
| Class 709 | 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 is 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 710 | Scrapbook Album | Jr. |
| Class 711 | Scrapbook Album | Int. |
| Class 712 | 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.

2. Include technique list, per page 5 of manual, on inside front cover of album. Mark album

pages to correspond with technique list so the judge can easily find them (ex: number bottom corner of page protector).

3. Album shall follow a theme or be in chronological order.
4. All pages must include Journaling:
 - a. Correct spelling
 - b. Tell your story: who, what, when, where, why?
 - c. Title your page, or two-page layout.
 - d. Album must contain at least one hand-written journal entry, all others may be typed.

C. Technique List:

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

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

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

1. Stickers or Die Cuts
2. Cutting and tearing
3. Photo matting (single or double)
4. Craft Punch
5. Inking/Stamping
6. Two (2) enlarged photos (minimum size 5 x 7), one must be black and white or sepia.
7. Memorabilia (in protective sleeve-archival safe)
8. Dimensional Embellishment (button, beads, bling, eyelets, brads, etc.)
9. Two-page layout, coordinated and themed.

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

1. Stickers or Die Cuts
2. Cutting and tearing
3. Double Photo Matting
4. (2) Enlarged Photos (minimum size 5 x7), one must be black and white or sepia.
5. Inking/Stamping/Coloring
6. Create a Border
7. Fibers
8. Buttons or beads
9. Eyelets or brads
10. Rub-ons or embossing
11. Craft punches
12. Chipboard
13. Dimensional Design (may use another technique to create dimensional design, such as die-cut and stamping. Does not count as two techniques.)
14. Two-page layout, coordinate and themed.
15. Memorabilia (in protective sleeve-archival safe)

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).

**SCRAPBOOKING—CARD MAKING
(For Intermediates and Seniors Only)**

Class 713 Card Making Int.

Class 714 Card Making Sr.

Exhibit will consist of the following:

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

B. Set of 4 different hand-made cards following a theme with a maximum size of 4"x 6" per card displayed on a 12' x 12' board.

C. No commercial based cards can be used.

D. Four (4) techniques are required, at least three (3) per card. **Techniques shall be labeled on the back of the board.** Pick from the following list:

1. Inking/distressing
2. Stamping/Coloring
3. Fibers
4. Buttons or beads/eyelets or brads
5. Tearing
6. Embossing
7. Dimensional design
8. Craft punch/Die cuts
9. Rub-ons/Stickers

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).

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 715 | Measuring Up | Jr. |
| Class 716 | Measuring Up | Int. |
| Class 717 | 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 718 | Making the Cut | Jr. |
| Class 719 | Making the Cut | Int. |
| Class 720 | 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 721 | Nailing It Together | Jr. |
| Class 722 | Nailing It Together | Int. |
| Class 723 | 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 724 | Finishing Up | Jr. |
| Class 725 | Finishing Up | Int. |
| Class 726 | 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 727 | Paintings & Printing | Jr. |
| Class 728 | Paintings & Printing | Int. |
| Class 729 | Paintings & Printing | Sr. |

GRAPHIC DESIGN

| | | |
|-----------|-----------------|------|
| Class 730 | Graphic Designs | Jr. |
| Class 731 | Graphic Designs | Int. |
| Class 732 | 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 733 | Sketch Crossroads | Jr. |
| Class 734 | Sketch Crossroads | Int. |
| Class 735 | 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).

SECTION 6 CONSUMER SCIENCE

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

5. 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.**

6. Exhibits requiring over 2' x 2' exhibit area **must** be checked with the superintendent.

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

8. 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.

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

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

11. All cakes require a bottom border.

12. 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 800 Cake Decorating Unit 1 Jr.

Class 801 Cake Decorating Unit 1 Int.

Class 802 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" 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 803 Cake Decorating Unit 2 Jr.

Class 804 Cake Decorating Unit 2 Int.

Class 805 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" round or square or 9" x 13") 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 806 | Cake Decorating Unit 3 | Jr. |
| Class 807 | Cake Decorating Unit 3 | Int. |
| Class 808 | 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" 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 809 | Cake Decorating Unit 4 | Jr. |
| Class 810 | Cake Decorating Unit 4 | Int. |
| Class 811 | 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 812 | Cake Decorating Unit 5 | Jr. |
| Class 813 | Cake Decorating Unit 5 | Int. |
| Class 814 | 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 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 815 | Cake Decorating Unit 5 | Jr. |
| Class 816 | Cake Decorating Unit 5 | Int. |
| Class 817 | 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 818 | Cake Decorating Unit 5 | Jr. |
| Class 819 | Cake Decorating Unit 5 | Int. |
| Class 820 | 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 Ocupcakes (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 821 Cake Decorating Unit 6 Jr.

Class 822 Cake Decorating Unit 6 Int.

Class 823 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 824 Cake Decorating Unit 7 Int.

Class 825 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 826 Cake Decorating Unit 8 Int.

Class 827 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 828 Cake Decorating Unit 9 Int.

Class 829 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 830 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 831 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 832 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 - look under Display Hints and Tips and Project Tips

CHILD DEVELOPMENT

Lorri Arnhold.....Superintendent

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 'x2' 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.

Intermediate Child Development (Ages 11-13)

Class 833 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).

Class 834 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).

Class 835 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).

Class 836 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).

Class 837 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)

Class 838 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).

Class 839 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).

Class 840 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).

Class 841 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).

Class 842 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 - 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 844 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 845 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:

Class 846 Simple Top Jr.

Class 847 Simple Top Int.

Class 848 Simple Top Sr.

Class 849 Simple Bottom (pants, pajama bottoms, shorts, skirts,) Jr.

Class 850 Simple Bottom (pants, pajama bottoms, shorts, skirts) Int.

Class 851 Simple Bottom (pants, pajama bottoms, shorts, skirts) Sr.

Class 852 Simple Dress Jr.

Class 853 Simple Dress Int.

Class 854 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:

Class 855 Top (vest acceptable) Jr.

Class 856 Top (vest acceptable) Int.

Class 857 Top (vest acceptable) Sr.

Class 858 Bottom (pants or shorts) Jr.

Class 859 Bottom (pants or shorts) Int.

Class 860 Bottom (pants or shorts) Sr.

Class 861 Skirt Jr.

Class 862 Skirt Int.

Class 863 Skirt Sr.

| | | |
|-----------|-------------------------|------|
| Class 864 | Dress (not formal wear) | Jr. |
| Class 865 | Dress (not formal wear) | Int. |
| Class 866 | Dress (not formal wear) | Sr. |
| Class 867 | Romper or Jumpsuit | Jr. |
| Class 868 | Romper or Jumpsuit | Int. |
| Class 869 | Romper or Jumpsuit | Sr. |
| | | |
| Class 870 | Two-Piece Outfit | Jr. |
| Class 871 | Two-Piece Outfit | Int. |
| Class 872 | Two-Piece Outfit | Sr. |

SEWING FOR OTHERS—UNIT 7

| | | |
|-----------|--------------------------|------|
| Class 873 | Sewing for Others Unit 7 | Jr. |
| Class 874 | Sewing for Others Unit 7 | Int. |
| Class 875 | 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 876 | Recycled Clothing Unit 8 | Jr. |
|-----------|--------------------------|-----|

| | | |
|-----------|--------------------------|------|
| Class 877 | Recycled Clothing Unit 8 | Int. |
| Class 878 | 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 879 | Cotton or Cotton Blend | Int. |
|-----------|------------------------|------|

| | | |
|-----------|------------------------|-----|
| Class 880 | 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 881 Synthetics and Rayon Int.

Class 882 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 883 Wool and Wool Blend Int.

Class 884 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 885 Silk and Silk-Like Int.

Class 886 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 887 Specialty Fabrics Int.

Class 888 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 - 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. 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 the Extension offices.

DECORATE YOUR DUDS—APPLIED

| | | |
|-----------|---------|------|
| Class 889 | Applied | Jr. |
| Class 890 | Applied | Int. |
| Class 891 | 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, appliques, 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 892 | Stitched | Jr. |
| Class 893 | Stitched | Int. |
| Class 894 | 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: appliqué where satin stitch, etc., is used, embroidery, quilting, beading or 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 895 | Combination | Jr. |
| Class 896 | Combination | Int. |
| Class 897 | 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 898 | Costumes | Jr. |
| Class 899 | Costumes | Int. |
| Class 900 | Costumes | Sr. |
| Class 901 | All Other Exhibits | Jr. |
| Class 902 | All Other Exhibits | Int. |
| Class 903 | 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 904 | Create Your Own Exploration of Textiles and Clothing | Int. |
|-----------|---|------|

| | | |
|-----------|---|-----|
| Class 905 | Create Your Own Exploration of Textiles and Clothing | Sr. |
|-----------|---|-----|

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 906 | Buymanship | Int. |
| Class 907 | 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, including 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 - 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 908 No Bake Bars/Cookies Jr.

Class 909 No Bake Bars/Cookies Int.

Class 910 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 911 Coffeecake Jr.

Class 912 Coffeecake Int.

Class 913 Coffeecake Sr.

E. One non-yeast coffee cake

Class 914 Cookies Jr.

Class 915 Cookies Int.

Class 916 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 917 Quick Breads Jr.

Class 918 Quick Breads Int.

Class 919 Quick Breads Sr.

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

Class 920 Scones Jr.

Class 921 Scones Int.

Class 922 Scones Sr.

E. Four scones of one recipe.

- Class 923 Muffins Jr.
- Class 924 Muffins Int.
- Class 925 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 926 Shortened Cakes Jr.
- Class 927 Shortened Cakes Int.
- Class 928 Shortened Cakes Sr.

E. One shortened cake without frosting

- Class 929 Yeast Rolls Jr.
- Class 930 Yeast Rolls Int.
- Class 931 Yeast Rolls Sr.

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

- Class 932 Creative Yeast Bread Jr.
- Class 933 Creative Yeast Bread Int.
- Class 934 Creative Yeast Bread Sr.

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

- Class 935 Party Planning Jr.
- Class 936 Party Planning Int.
- Class 937 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 938 Flatbread Jr.
- Class 939 Flatbread Int.
- Class 940 Flatbread Sr.

E. Four flatbreads of one variety and shape

- Class 941 Double Crust Pie Jr.
- Class 942 Double Crust Pie Int.
- Class 943 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 944 Celebration Meals Jr.
- Class 945 Celebration Meals Int.
- Class 946 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 - look under Display Hints and Tips and Project Tips.

OUTDOOR COOKING AND LIVING—UNIT 25

- Class 947 Outdoor Cooking and Living Jr.
- Class 948 Outdoor Cooking and Living Int.
- Class 949 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 950 Cultural Foods Int.

Class 951 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 952 Passport to Foreign Cookery Int.

Class 953 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 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 2015</p> | <p>GREEN BEANS hot pack, ½ tsp salt pressure canned at 12 ½ pounds 25 minutes at 5,000 feet July 2016</p> |
|--|---|

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 **2016**

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 954 | Freezing and Drying | Jr. |
| Class 955 | Freezing and Drying | Int. |
| Class 956 | 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 957 | Boiling Water Canning | Jr. |
| Class 958 | Boiling Water Canning | Int. |
| Class 959 | 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, preserves, 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 960 Pressure Canning Int.

Class 961 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 - 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 962 Crochet Jr.

Class 963 Crochet Int.

Class 964 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 965 Fiber Arts Jr.

Class 966 Fiber Arts Int.

Class 967 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 968 Non Fiber Arts Jr.

Class 969 Non Fiber Arts Int.

Class 970 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 971 | Knitting | Jr. |
| Class 972 | Knitting | Int. |
| Class 973 | 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 974 | Needle Arts | Jr. |
| Class 975 | Needle Arts | Int. |
| Class 976 | 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 977 | Quilting Unit 1 | Jr. |
| Class 978 | Quilting Unit 1 | Int. |
| Class 979 | 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

C. 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 980 | Quilting Unit 2 | Jr. |
| Class 981 | Quilting Unit 2 | Int. |
| Class 982 | 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 should demonstrate at least three skills learned (examples include a quilt label, binding, block or other piecing learned in Unit 1 or 2, etc.).

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 983 | Quilting Unit 3 | Jr. |
| Class 984 | Quilting Unit 3 | Int. |
| Class 985 | 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 skills learned (examples include a quilt label, binding, block or type of piecing or embellishment learned from Unit 3).
2. One finished sample quilt (no minimum or maximum size). Quilt should include at least three types of quilts, or types of piecing, block patterns or ways to embellish, or any combination.
3. A set of up to three coordinated pieces illustrating at least three advanced skills. Exhibit items must be quilted.

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 986 | Quilting Unit 4-Original Design | Jr. |
| Class 987 | Quilting Unit 4-Original Design | Int. |
| Class 988 | 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 989 | Home Environment Unit 1 | Jr. |
| Class 990 | Home Environment Unit 1 | Int. |
| Class 991 | 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 992 | Home Environment Unit 2 | Jr. |
| Class 993 | Home Environment Unit 2 | Int. |
| Class 994 | 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 995 | Home Environment Unit 3 | Jr. |
| Class 996 | Home Environment Unit 3 | Int. |
| Class 997 | 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 998 | Home Environment Unit 4 | Jr. |
| Class 999 | Home Environment Unit 4 | Int. |
| Class 1000 | 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 1001 | Home Environment Unit 5 | Jr. |
| Class 1002 | Home Environment Unit 5 | Int. |
| Class 1003 | 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 1004 | Home Environment Unit 6 | Jr. |
| Class 1005 | Home Environment Unit 6 | Int. |
| Class 1006 | 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 1007 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 learning you're your project. Please choose one to use as your exhibit.

C. Home Environment e-record:

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)

Cake Decorating Exhibit

The Senior Grand Champion and all Unit champions will receive special recognition from Wilton Enterprises, Inc.

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

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, **Geospatial- (Exhibit with e-record)**, Model Rocketry, **Power of Wind- (Exhibit with e-record)**, 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 1-3), Specialty Foods (25, 30, & 35), Food Preservation, Heritage Arts, and Home Environment.