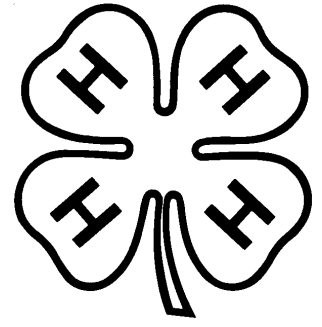


**2016**  
**SYLLABUS**



**Class Numbers and  
Exhibit Requirements for:**

*4-H General Projects*  
*Primary Projects*  
*Clothing & Fashion Revue*  
*Child Development*  
*Home Environment*  
*Heritage Arts*  
*Foods & Cake Decorating*  
*Shooting Sports*

**Kit Carson County Fair / Colorado State Fair**

## DEPARTMENTS:

**L – 4-H Home Economics**

**M – General 4-H Projects**

**JS – Shooting Sports**

### RELEASE TIME FOR ALL PROJECTS:

***Saturday July 30 – 2:00 - 3:00 p.m.***

<b><u>DEPT.</u></b>	<b><u>ENTRY</u></b>	<b><u>JUDGING</u></b>
L – Clothing & Fashion Revue (including Primary Dec Your Duds)	<i>Tuesday, July 19 – 9:00 p.m.</i>	<i>Tuesday, July 13 – 9:00 p.m.</i>
M – General 4-H	<i>Friday, July 22 – 5:00 – 7:00 p.m.</i>	<i>Saturday, July 23 – 9:00 a.m.</i>
M – Primary (excluding Dec Your Duds & Foods)	<i>Friday, July 22 – 5:00 – 7:00 p.m.</i>	<i>Saturday, July 23 – 9:00 a.m.</i>
JS – Shooting Sports	<i>Friday, July 22 – 5:00 – 7:00 p.m.</i>	<i>Saturday, July 23 – 9:00 a.m.</i>
L – Child Dev., Home Env., Heritage Arts (excluding quilts)	<i>Friday, July 22 – 5:00 – 7:00 p.m.</i>	<i>Saturday, July 23 – 9:00 a.m.</i>
L – Quilts	<i>Saturday, July 23 – 9:00 – 10:00 a.m.</i>	<i>Saturday, July 23 – 10:00 a.m.</i>
L – Foods (including Primary Foods)	<i>Monday, July 25 – 9:00 a.m.</i>	<i>Monday, July 25 – 9:00 a.m.</i>

### PREMIUMS – DEPARTMENTS JS - M - L

Blue Award – \$3.50

Red Award – \$3.00  
Primary Award -- \$3.00

White Award – \$2.50

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**NOTE:** *Exhibits that exceed project skill, number or size requirements will not be considered for champion, reserve champion, or blue placing.*

# DEPARTMENT L

## CONSUMER SCIENCE

### DEPT. L – CAKE DECORATING

#### 4-H PROJECT EXHIBIT RULES:

1. Eligibility: Exhibitors in the divisions of this department must be bona fide members of Colorado 4-H whose project work (**must be 4-H member's own work and sources must be cited, plagiarism will not be tolerated**) and records are certified and up-to-date and deemed eligible by the appropriate Extension agent. In addition, exhibitors must be at least eight years of age, must not have reached their 19<sup>th</sup> birthday prior to December 31<sup>st</sup> 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. 4-H E-Records may be completed by pencil, ink, or computer. The choice will not affect judging.
5. Display board must meet the specifications. The standardized display board size of 4' x 3' is to be used for 4-H projects.
6. Projects are divided by Junior, Intermediate and Senior age groups. The age for Juniors is 8-10, Intermediates is 11-13, and Seniors is 14-18.
7. All projects will be judged on the Danish System. All exhibits will be placed in a blue, red or white group and receive ribbons accordingly.
8. Champion and Reserve Champion ribbons shall be awarded if applicable. Grand Champion and Reserve Grand Champion exhibitors will be declared in each project 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 Champions and Reserve Champion exhibits in the class from which the Grand Champion was chosen will be eligible for Reserve Grand Champion consideration.
9. Only the first place exhibit in each project unit will be eligible to exhibit at State Fair and will be awarded a Unit Champion ribbon; second overall projects will receive a Unit Reserve Champion ribbon.
10. All parts of the exhibit must be labeled with exhibitor's name, age and county. All exhibits must be accompanied by a completed entry tag. **For security reasons, do not put address on project.**
11. Exhibits that do not meet exhibit standards and requirements will not be considered for Champion or Reserve Champion.
12. No binders with slider closures will be allowed.

**NOTE: Please read 4-H Project Exhibit Rules on page 1.**

#### 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 1/2" 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 Units 1-3 before taking any of the more advanced units. Youth may then select the unit which includes the skills they wish to learn. Units 4-6 do not have to be taken in order as numbered and are for Juniors, Intermediates, and Seniors. Units 7-9 do not have to be taken in order as numbered and are for Intermediates and Seniors. Units 10-12 are for Senior members only.
3. Real cakes are required for Units 1-6. Cake forms are preferred for Units 7-10, as they hold up better under Fair conditions.
4. 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 a 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, three of the five 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% of the judging will be on the on the notebook.
11. All cakes require a bottom border
12. Definition of two-layered cake is, two of the same cakes placed on top of each other. This is used for Units 3, 7, 8 & 9.

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

#### **CLASS 800. UNIT 1 – Edible Cake Decorating – Juniors**

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" square or round, or 9"x13" rectangle) 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 the cake should be visible to show smooth base. No royal icing can be used as icing or decorations on the cake. No non-edible materials can be used in Units 1-6.
- E. Bottom base border required.
- F. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 801. UNIT 1 – Edible Cake Decorating – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 802. UNIT 1 – Edible Cake Decorating – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 803. UNIT 2 – Single-Layered Cake – Juniors**  
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 is required.
- F. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 804. UNIT 2 – Single-Layered Cake – Intermediates**  
Exhibit requirements the same as for UNIT 2 – Juniors

**CLASS 805. UNIT 2 – Single-Layered Cake – Seniors**  
Exhibit requirements the same as for UNIT 2 – Juniors

**CLASS 806. UNIT 3 – Two-Layered Cake – Juniors**  
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. 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 3-5 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 807. UNIT 3 – Two-Layered – Intermediates**  
Exhibit requirements the same as for UNIT 3 – Juniors

**CLASS 808. UNIT 3 – Two-Layered – Seniors**  
Exhibit requirements the same as for UNIT 3 – Juniors

**CLASS 809. UNIT 4 – Character Cakes – Juniors**  
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 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, 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 810, UNIT 4 – Character Cakes – Intermediate**  
Exhibit requirements the same as for Unit 4 – Juniors

**CLASS 811, UNIT 4 – Character Cakes – Seniors**  
Exhibit requirements the same as for Unit 4 – Juniors

**CLASS 812, UNIT 5 – Themed Cupcakes – Juniors**  
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, 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 cupcakes
  8. any problems you had

**Be sure to put the cost of your four cupcake batches and exhibit cupcakes 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's name and county. No non-edible materials can be used.

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

**CLASS 813, UNIT 5 – Themed Cupcakes – Intermediates**  
Exhibit requirements the same as for UNIT 5 – Themed Cupcakes – Juniors

**CLASS 814, UNIT 5 – Themed Cupcakes – Seniors**  
Exhibit requirements the same as for UNIT 5 – Themed Cupcakes – Juniors

**CLASS 815, UNIT 5 – Stacked Cupcakes – Juniors**  
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, 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 cupcakes
  8. any problems you had

**Be sure to put the cost of your four cupcake batches and exhibit cupcakes on the expense page in the E-Record.**

- C. Include photos or drawings of the four required batches of cupcakes in addition to photos of you working on your project in the record photo page.
- D. Stacking Cupcakes: A minimum of 4 and a maximum of 8 cupcakes creating one design on them 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 (at least 2 and not more than 4 stacked cupcakes) should be secured to a sturdy board (secured by frosting) for display. Board size should be appropriate to design (use guideline for cakes). No non-edible materials can be used.
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 816, UNIT 5 – Stacked Cupcakes – Intermediates**  
Exhibit requirements the same as for Unit 5 – Stacked Cupcakes – Juniors

**CLASS 817. UNIT 5 – Stacked Cupcakes – Seniors**

Exhibit requirements the same as for Unit 5 – Stacked Cupcakes – Juniors

**CLASS 818. UNIT 5 – Character Cupcakes – Juniors**

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, plus the exhibit cupcakes (**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 cupcakes
  - 8. any problems you had

**Be sure to put the cost of your four cupcake batches and exhibit cupcakes on the expense page in the E-Record.**

- C. Include photos or drawings of the four required batches of cupcakes in addition to photos of you working on your project in the record photo page.
- D. Character Cupcakes are multiple individually decorated cupcakes that come together to create the character, for example: cupcakes that create an alligator or scarecrow etc.). 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”. No non-edible materials can be used.
- E. Project will be evaluated on the quality of the information completed in the E-Record (25%) and quality of the exhibit (75%).

**CLASS 819. UNIT 5 – Character Cupcakes – Intermediates**

Exhibit requirements the same as for Unit 5 – Character Cupcakes – Juniors.

**CLASS 820. UNIT 5 – Character Cupcakes – Seniors**

Exhibit requirements the same as for Unit 6 – Character Cupcakes - Juniors

**CLASS 821. UNIT 6 – Cut-up Cakes – Juniors**

Exhibit will consist of the following:

- A. Completed Cake Decorating E-Record presented in a sturdy binder/notebook.
- B. Include the following information 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 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’ x 2’ 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 information completed in the E-Record (25%) and quality of the exhibit (75%).

**CLASS 822. UNIT 6 – Cut-up Cakes – Intermediates**

Exhibit requirements the same as for UNIT 6 – Cut-up Cakes – Juniors

**CLASS 823. UNIT 6 – Cut-up Cakes – Seniors**

Exhibit requirements the same as for UNIT 6 – Cut-up Cakes – Juniors

**CLASS 824. UNIT 7 – Flat Surface & Nail Flowers – Intermediates**

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%) and quality of the exhibit (75%).



**CLASS 825. UNIT 7 – Flat Surface & Nail Flowers – Seniors**  
Exhibit requirements the same as for UNIT 7 – Intermediates

**CLASS 826. UNIT 8 – Fondant – Intermediates**  
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%) and quality of the exhibit (75%).

**CLASS 827. UNIT 8 – Fondant – Seniors**  
Exhibit requirements the same as for Unit 8 - Intermediates

**CLASS 828. UNIT 9 – Lily Nail Flowers – Intermediates**  
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

**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 8, 9, or 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%) and quality of the exhibit (75%)

**CLASS 829. UNIT 9 – Lily Nail Flowers – Seniors**  
Exhibit requirements the same as for UNIT 9 – Intermediates

**CLASS 830. UNIT 10 – Tiered Cakes – Seniors Only**  
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

**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 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 border is required.
- F. Project will be evaluated on the quality of the information completed in the E-Record (25%) and quality of the exhibit (75%).

**CLASS 831. UNIT 11 – Molds – Seniors Only**  
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

**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 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%) and quality of the exhibit (75%).

**CLASS 832. UNIT 12 – Create Your Own – Seniors Only**

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 a part of your project, a sample may be displayed as further evidence of the quality of your project. Display must not require over a 1' x 1' area or consist of more than three items.
- C. Project will be evaluated on the quality of the information completed in the E-Record (25%) and quality of the content of the notebook (75%).

and More To Grow On questions at the end of the Arts & Crafts Chapter.

- C. Creative exhibit based on a More To Grow On activity from the Arts & Crafts Chapter.
- D. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 834. UNIT 3 – Play – Intermediates (Ages 11-13)**

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 information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 835. UNIT 3 – Music & Rhythm – Intermediates (Ages 11-13)**

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 & Rhythm Chapter and the completed Exhibit and More To Grow On questions at the end of the Music & Rhythm Chapter.
- C. Creative exhibit based on a More To Grow On activity from the Music & Rhythm Chapter.
- D. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 836. UNIT 3 – Stories & Poems – Intermediates (Ages 11-13)**

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 & Poems Chapter and completed Exhibit and More To Grow On questions at the end of the Stories & Poems Chapter.
- C. Creative exhibit based on a More To Grow On activity from the Stories & Poems Chapter.
- D. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 837. UNIT 3 – Snacks – Intermediates (Ages 11-13)**

Exhibit will consist of the following:

- A. Completed E-Record and Child Development Manual presented in a sturdy binder/notebook.

**DEPT. L – CHILD DEVELOPMENT**

Note: Please read 4-H Project Exhibit Rules on page 1.

**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'x3' is to be used for all 4-H projects. No additional items may be included on or in front of display board. All other exhibits should fit within a 2'x2'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.

**CLASS 833. UNIT 3 – Arts & Crafts – Intermediates (Ages 11-13)**

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 & Crafts Chapter and the completed Exhibit

- 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 information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 838. UNIT 4 – Guidance & Discipline – Seniors (Ages 14 & older)**

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 & Discipline Chapter OR an activity developed by the member that is appropriate for Guidance & Discipline Chapter.
- D. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 839. UNIT 4 – Parties – Seniors (Ages 14 & older)**

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 information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 840. UNIT 4 – Mealtime – Seniors (Ages 14 & older)**

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 information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 841. UNIT 4 – Safety – Seniors (Ages 14 & older)**

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 information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 842. UNIT 4 – Careers – Seniors (Ages 14 & older)**

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 information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**DEPT. L – CLOTHING CONSTRUCTION**

Note: Please read 4-H Project Exhibit Rules on page 1.

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 who 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 intermediate and senior members.
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. (These labels are available at the Extension Office at no charge.)
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 Clothing STEAM 1.
5. Due to the difficulty of skills involved, buttonholes and button loops are to be used in Clothing STEAM 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 Clothing STEAM 3 – Complete one textile experiment using your garment fashion fabric each year.** Include this information in your clothing construction E-record: completed experiment sheet(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 securely attached 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 constructed in Clothing STEAM 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 which 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 – Juniors**

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 page of the Clothing Construction E-Record.

- E. Pillowcase illustrating the skills learned in Clothing STEAM 1.
- F. Project will be evaluated on the quality of information completed in the E-record (25%) and quality of exhibit (75%).

### **CLASS 845. Pillow - Junior**

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 on the Expense page of the Clothing Construction E-record.
- E. Simple Pillow – No larger than 18” x 18” illustrating the skills learned in Clothing STEAM 1.
- F. Project will be evaluated on the quality of the information completed in the E-record (24%) and quality of the exhibit (75%).

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

### **CLASS 846. Simple Top – Juniors**

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. An exhibit illustrating the skills learned in Clothing STEAM 1. Exhibits must use a firmly-woven, medium-weight cotton or at least 50% cotton-blend fabric. Exhibit should be simple pattern with two or three pattern pieces without set-in sleeves, zippers, collars, and no button holes.
- F. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 847. Simple Top – Intermediates**

Exhibit requirements the same as for Class 846 – Juniors.

**CLASS 848. Simple Top – Seniors**

Exhibit requirements the same as for CLASS 846 – Juniors.

**CLASS 849. Simple Bottom – Juniors  
(pants, pajama bottoms, shorts, skirts)**

Exhibit requirements the same as for CLASS 846 – Juniors.

**CLASS 850. Simple Bottom – Intermediates**

Exhibit requirements the same as for CLASS 846– Juniors.

**CLASS 851. Simple Bottom – Seniors**

Exhibit requirements the same as for CLASS 846 – Juniors.

**CLASS 852. Simple Dress – Juniors**

Exhibit requirements the same as for CLASS 846 – Juniors.

**CLASS 853. Simple Dress – Intermediates**

Exhibit requirements the same as for CLASS 846 – Juniors.

**CLASS 854. Simple Dress – Seniors**

Exhibit requirements the same as for CLASS 846 – Juniors.

## **BEGINNING CLOTHING STEAM 2**

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

**CLASS 855. Top (vest acceptable) – Juniors**

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 project 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 on the Expense page of the Clothing Construction E-record.
- E. An exhibit illustrating the skills learned in Clothing STEAM 2. Exhibits may use any woven or knit fabric appropriate to the garment's design and should demonstrate sewing skills beyond Clothing STEAM 1. The exhibit should include one or more of the following techniques: set-in sleeves, zippers, collars and button holes.
- F. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 856. Top (vest acceptable) – Intermediates**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 857. Top (vest acceptable) – Seniors**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 858. Bottom (pants or shorts) – Juniors**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 859. Bottom (pants or shorts) – Intermediates**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 860. Bottom (pants or shorts) – Seniors**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 861. Skirt - Juniors**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 862. Skirt – Intermediates**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 863. Skirt – Seniors**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 864. Dress (not formal wear) – Juniors**

Exhibit requirements the same as for CLASS 855 – Juniors

**CLASS 865. Dress (not formal wear) - Intermediates**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 866. Dress (not formal wear) – Seniors**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 867. Romper or Jumpsuit – Juniors**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 868. Romper or Jumpsuit – Intermediates**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 869. Romper or Jumpsuit – Seniors**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 870. Two-Piece Outfit – Juniors**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 871. Two-Piece Outfit – Intermediates**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 872. Two-Piece Outfit – Seniors**

Exhibit requirements the same as for CLASS 855 – Juniors.

**CLASS 873. UNIT 7 – Sewing for Others – Juniors**

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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 874. UNIT 7 – Sewing for Others - Intermediates**  
Exhibit requirements the same as for UNIT 7 – Juniors.

**CLASS 875. UNIT 7 – Sewing for Others – Seniors**  
Exhibit requirements the same as for UNIT 7 – Juniors.

**CLASS 876. UNIT 8 – Recycled Clothing – Juniors**  
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 on the Expense page 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 will be evaluated on the quality of construction techniques, creativity of adaption (75%) and completed E-record (25%).

**CLASS 877. UNIT 8 – Recycled Clothing – Intermediates**  
Exhibit requirements the same as for UNIT 8 – Juniors.

**CLASS 878. UNIT 8 – Recycled Clothing – Seniors**  
Exhibit requirements the same as for UNIT 8 – Juniors.

## **ADVANCED CLOTHING CONSTRUCTION**

Garments should demonstrate sewing skills beyond Clothing STEAM 2, for example: rolled hems, invisible zippers, tailoring techniques, etc. For Intermediate & Senior members only.

## **CLOTHING STEAM 3**

**CLASS 879. Cotton or Cotton Blend – Intermediate**  
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. 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 on the Expense page of the Clothing Construction E-record.
- E. A garment or outfit containing a majority of 50-100% cotton.
- F. Project will be evaluated on the quality of the information completed in the E-record (25%) and quality of the exhibit (75%).

**CLASS 880. Cotton or Cotton Blend – Seniors**  
Exhibit requirements the same as for Cotton or Cotton Blend – Intermediates.

**CLASS 881. Synthetic/Rayon – Intermediates**  
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. List of all garments made
  2. Percent of fiber content of each garment
  3. Care of garment exhibited
  4. Textile experiments – complete on 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 on the Expense page of the Clothing Construction E-record.
- E. One garment or outfit of fabric containing 50-100% of synthetic fibers.
- F. Project will be evaluated on the quality of information completed in the E-record (25%) and quality of exhibit (75%).

**CLASS 882. Synthetics/Rayon – Seniors**  
Exhibit requirements the same as for Synthetics/Rayon – Intermediates.

**CLASS 883. Wool/Wool Blend – Intermediates**  
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. 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 on the Expense page of the Clothing Construction E-record.
- E. One garment or outfit of fabric containing 50-100% of wool and wool-blend fibers.
- F. Project will be evaluated on the quality of information completed in the E-record (25%) and quality of exhibit (75%).

**CLASS 884. Wool/Wool Blend – Seniors**

Exhibit requirements the same as for Wool/Wool Blend – Intermediates.

**CLASS 885. Silk/Silk-Like – Intermediates**

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. 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 on the Expense page of the Clothing Construction E-record.
- E. One garment or outfit of fabric containing 50-100% of silk and silk-like fabrics.
- F. Project will be evaluated on the quality of information completed in the E-record (25%) and quality of exhibit (75%).

**CLASS 886. Silk/Silk-Like – Seniors**

Exhibit requirements the same as for Silk/Silk-Like – Intermediates.

**CLASS 887. Specialty Fabrics (Leather, Fur, Linen, Ramie, Hemp, Sequined, Beaded, etc.) – Intermediates**

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. List of all garments made
  2. Percent of fiber content of each garment
  3. Care of garment exhibited
  4. Textile experiments – complete on 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 on the Expense page 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 information completed in the E-record (25%) and quality of exhibit (75%).

**CLASS 888. Specialty Fabrics (Leather, Fur, Linen, Ramie, Hemp, Sequined, Beaded, etc.) – Seniors**

Exhibit requirements the same as for Specialty Fabrics – Intermediates.

**DEPT. L – ARTISTIC CLOTHING**

Note: Please read 4-H Project Exhibit Rules on page 1.

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 which acknowledges possible fading caused by state fair display lighting. Permission to display forms are available at the Extension offices.*

**CLASS 78. PRIMARY Decorate Your Duds (Youth 5-7)**

Exhibit will consist of the following:

- A. Exhibit article.
- B. Completed record book.

**CLASS 889. Decorate Your Duds – Applied – Juniors**

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 is to 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 890. Decorate Your Duds – Applied – Intermediates**

Exhibit requirements the same as for Applied – Juniors

**CLASS 891. Decorate Your Duds – Applied – Seniors**

Exhibit requirements the same as for Applied – Juniors.

**CLASS 892. Decorate Your Duds – Stitched – Juniors**

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 is to 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 893. Decorate Your Duds – Stitched - Intermediates**

Exhibit requirements the same as for Stitched – Juniors

**CLASS 894. Decorate Your Duds – Stitched - Seniors**

Exhibit requirements the same as for Stitched – Juniors

**CLASS 895. Decorate Your Duds – Combination – Juniors**

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 is to 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 896. Decorate Your Duds – Combination – Intermediates**

Exhibit requirements the same as for Combination – Juniors

**CLASS 897. Decorate Your Duds – Combination – Seniors**

Exhibit requirements the same as for Combination - Juniors

**CLASS 898. UNIT 5 – Creative Sewing – Costumes – Juniors**

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 and if you recycled or reused any fabric or other materials for your project. If a pattern was used, please include the pattern instruction sheet.
- B. Include the following information on the Artistic Clothing page:
  - 1. A list of all garments made.
  - 2. A description of the steps in order of application (including product name and numbers, etc.) for your exhibit item.
- C. One to three coordinated items illustrating what was learned (costumes, puppets, accessories, toys, stuffed animals, book bags, sleeping bags, etc.)
- D. Project will be evaluated on creativity used in making your exhibit (45%), the quality of construction (30%) and completed E-Record (25%).

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

**CLASS 899. UNIT 5 – Creative Sewing – Costumes – Intermediates**

Exhibit requirements the same as for UNIT 5 – Costumes – Juniors.

**CLASS 900. UNIT 5 – Creative Sewing – Costumes – Seniors**

Exhibit requirements the same as for UNIT 5 – Costumes – Juniors.



**CLASS 901. UNIT 5 – Creative Sewing – All Other Exhibits – Juniors**

Exhibit requirements the same as for UNIT 5 – Costumes – Juniors.

**CLASS 902. UNIT 5 – Creative Sewing – All Other Exhibits – Intermediates**

Exhibit requirements the same as for UNIT 5 – Costumes – Juniors.

**CLASS 903. UNIT 5 – Creative Sewing – All Other Exhibits – Seniors**

Exhibit requirements the same as for UNIT 5 – Costumes – Juniors.

**CLASS 904. UNIT 7 – Create Your Own – Exploration of Textiles & Clothing – Intermediates**

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, how the item will be used, and if you recycled or reused any fabric or other materials for your project.
- B. Include the following information on the Artistic Clothing page:
  1. Written description of your project:
    - a. goals
    - b. plans
    - c. accomplishments
    - d. evaluation
- C. Optional: Constructed article/display related to special study. The standardized display board size of 4' x 3' is to be used for all 4-H projects.
- D. Project will be evaluated on the quality of content from E-Record and written description (50%), quality of construction for the item or quality of display board (50%).

**CLASS 905. UNIT 7 – Create Your Own – Exploration of Textiles & Clothing – Seniors**

Exhibit requirements the same as for UNIT 7 - Intermediates

**CLASS 906. UNIT 8 – Buymanship – Intermediates**

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%) and quality of the exhibit (75%).

**CLASS 907. UNIT 8 – Buymanship - Seniors**

Exhibit requirements the same as for UNIT 8 – Intermediates.

**DEPT. L – FASHION REVUE**

**CLASS 98. STEAM 1 – Junior**

**CLASS 99. STEAM 1 – Intermediate**

**CLASS 100. STEAM 1 – Senior**

**CLASS 101. STEAM 2 – Junior**

**CLASS 102. STEAM 2 – Intermediate**

**CLASS 103. STEAM 2 – Senior**

**CLASS 104. STEAM 3 – Junior**

**CLASS 105. STEAM 3 – Intermediate**

**CLASS 106. STEAM 3 – Senior**

**CLASS 107. UNIT 8 – Recycled Clothing – Junior**

**CLASS 108. UNIT 8 – Recycled Clothing – Intermediate**

**CLASS 109. UNIT 8 – Recycled Clothing – Senior**

**CLASS 110. Decorate Your Duds – Primary**

**CLASS 111. Decorate Your Duds – Junior**

**CLASS 112. Decorate Your Duds – Intermediate**

**CLASS 113. Decorate Your Duds – Senior**

**CLASS 114. Crochet Heritage Arts – Junior**

**CLASS 115. Crochet Heritage Arts – Intermediate**

**CLASS 116. Crochet Heritage Arts – Senior**

**CLASS 117. Knitting Heritage Arts – Junior**

**CLASS 118. Knitting Heritage Arts – Intermediate**

**CLASS 119. Knitting Heritage Arts – Senior**

## DEPT. L – FOODS

Note: Please read 4-H Project Exhibit Rules on page 1.

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 attached 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 on or in recipes where there is a large proportion of cheese 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.

### **CLASS 149. PRIMARY 4-H Foods (Youth 5-7)**

Exhibit will consist of the following:

- A. Four no-bake cookies.
- B. Completed record.

### **COOKING 101**

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

#### **CLASS 908. UNIT 1 – No Bake Bars/Cookies - Junior**

Exhibit 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. Four no-bake cookies or bars of one recipe that is no-bake or made using stovetop or microwave.
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

#### **CLASS 909. UNIT 1 – No Bake Bars/Cookies - Intermediate**

Exhibit requirements the same as for CLASS 908 – Juniors

#### **CLASS 910. UNIT 1 – No Bake Bars/Cookies - Senior**

Exhibit requirements the same as for CLASS 908 – Juniors

#### **CLASS 911. UNIT 1 – Coffee Cake - Junior**

Exhibit will consist of the following:

- A. Completed E-Record with exhibit 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. One non-yeast coffee cake.
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

#### **CLASS 912. UNIT 1 – Coffee Cake – Intermediate**

Exhibit requirements the same as for CLASS 911 – Juniors

#### **CLASS 913. UNIT 1 – Coffee Cake - Senior**

Exhibit requirements the same as for CLASS 911 – Juniors

#### **CLASS 914. UNIT 1 – Cookies – Junior**

Exhibit will consist of the following:

- A. Completed E-Record with exhibit 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. 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.)
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

#### **CLASS 915. UNIT 1 – Cookies – Intermediate**

Exhibit requirements the same as for CLASS 914 – Junior.

#### **CLASS 916. UNIT 1 – Cookies – Senior**

Exhibit requirements the same as for CLASS 914 – Junior.

## **COOKING 201**

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

### **CLASS 917. UNIT 2 – Quick Breads - Junior**

Exhibit 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. One loaf quick bread, any size (not yeast bread).
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

### **CLASS 918. UNIT 2 – Quick Breads - Intermediate**

Exhibit requirements the same as for CLASS 917 – Junior.

### **CLASS 919. UNIT 2 – Quick Breads – Senior**

Exhibit requirements the same as for CLASS 917 – Junior.

### **CLASS 920. UNIT 2 – Scones – Junior**

Exhibit 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. Four scones of one recipe.
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

### **CLASS 921. UNIT 2 – Scones – Intermediate**

Exhibit requirements the same as for CLASS 920 – Junior.

### **CLASS 922. UNIT 2 – Scones – Senior**

Exhibit requirements the same as for CLASS 920 – Junior.

### **CLASS 923. UNIT 2 – Muffins – Junior**

Exhibit 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. Four muffins of one recipe.
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

### **CLASS 924. UNIT 2 – Muffins – Intermediate**

Exhibit requirements the same as for CLASS 923 – Junior.

### **CLASS 925. UNIT 2 – Muffins – Senior**

Exhibit requirements the same as for CLASS 923 – Junior.

## **COOKING 301**

Members can exhibit in one or more of the following:

### **CLASS 926. UNIT 3 – Shortened Cakes – Junior**

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

Exhibit will consist of the following:

- A. Completed E-record with a copy of the original recipe and the modified recipe presented in a sturdy binder/notebook.
- B. Include the following information on the Foods & Nutrition page:
  - 1. Foods prepared
  - 2. Number of times
  - 3. Special Concerns
- C. Documentation of one completed food science experiment from the manual in the E-record.
- D. One shortened cake without frosting.
- E. Project will be evaluated on the quality of the information completed in the E-record (25%) and quality of the exhibit (75%).

### **CLASS 927. UNIT 3 – Shortened Cakes – Intermediate**

Exhibit requirements the same as for CLASS 926 – Junior.

### **CLASS 928. UNIT 3 – Shortened Cakes – Senior**

Exhibit requirements the same as for CLASS 926 – Junior.

### **CLASS 929. UNIT 3 – Yeast Rolls – Junior**

Exhibit will consist of the following:

- A. Completed E-record with a copy of the original recipe and the modified recipe presented in a sturdy binder/notebook.
- B. Include the following information on the Foods & Nutrition page:
  - 1. Foods prepared
  - 2. Number of times
  - 3. Special concerns
- C. Documentation of one completed food science experiment from the manual in the E-record.
- D. Four kneaded yeast rolls.
- E. Project will be evaluated on the quality of the information completed in the E-record (25%) and quality of the exhibit (75%).

**CLASS 930. UNIT 3 – Yeast Rolls – Intermediate**

Exhibit requirements the same as for CLASS 929 – Junior.

**CLASS 931. UNIT 3 – Yeast Rolls – Senior**

Exhibit requirements the same as for CLASS 929 – Junior.

**CLASS 932. UNIT 3 – Creative Yeast Bread – Junior**

Exhibit will consist of the following:

- A. Completed E-record with a copy of the original recipe and the modified recipe presented in a sturdy binder/notebook.
- B. Include the following information on the Foods & Nutrition page:
  - 1. Foods prepared
  - 2. Number of times
  - 3. Special concerns
- C. Documentation of one completed food science experiment from the manual in the E-record.
- D. One recipe creative yeast bread, i.e. French bread, braided bread, other specialty bread.
- E. Project will be evaluated on the quality of the information completed in the E-record (25%) and quality of the exhibit (75%).

**CLASS 933. UNIT 3 – Creative Yeast Bread – Intermediate**

Exhibit requirements the same as for CLASS 932 – Junior.

**CLASS 934. UNIT 3 – Creative Yeast Bread – Senior**

Exhibit requirements the same as for CLASS 932 – Junior.

**CLASS 935. UNIT 3 – Party Planning – Junior**

Exhibit will consist of the following:

- A. Completed E-record with a copy of the original recipe and the modified recipe presented in a sturdy binder/notebook.
- B. Include the following information on the Foods & Nutrition page:
  - 1. Foods prepared
  - 2. Number of times
  - 3. Special concerns
- C. Documentation of one completed food science experiment from the manual in the E-record.
- D. Creative exhibit (notebook) illustrating party planned by member, including theme, timeline and menu that includes one or more home-prepared foods.
- E. Project will be evaluated on the quality of the information completed in the E-record (25%) and quality of the exhibit (75%).

**CLASS 936. UNIT 3 – Party Planning – Intermediate**

Exhibit requirements the same as for CLASS 935 – Juniors.

**CLASS 937. UNIT 3 – Party Planning – Senior**

Exhibit requirements the same as for CLASS 935 – Juniors

**COOKING 401**

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

**CLASS 938. UNIT 4 – Flatbread – Junior**

Exhibit will consist of the following:

- A. Completed E-record with a copy of the original recipe and the modified recipe presented in a sturdy binder/notebook.
- B. Include the following information on the Foods & Nutrition page:
  - 1. Foods prepared
  - 2. Number of times
  - 3. Special concerns
- C. Documentation of one completed food science experiment from the manual in the E-record.
- D. Four flatbreads of one variety and shape.
- E. Project will be evaluated on the quality of the information completed in the E-record (25%) and quality of the exhibit (75%).

**CLASS 939. UNIT 4 – Flatbread – Intermediate**

Exhibit requirements the same as for CLASS 938 – Junior.

**CLASS 940. UNIT 4 – Flatbread – Senior**

Exhibit requirements the same as for CLASS 938 – Junior.

**CLASS 941. UNIT 4 – Double Crust Pie – Junior**

Exhibit will consist of the following:

- A. Completed E-record with a copy of the original recipe and the modified recipe presented in a sturdy binder/notebook.
- B. Include the following information on the Foods & Nutrition page:
  - 1. Foods prepared
  - 2. Number of times
  - 3. Special concerns
- C. Documentation of one completed food science experiment from the manual in the E-record.
- D. One 8” or 9” double-crust fruit pie made with homemade fruit filling in a disposable pie tin. No canned fruit fillings.
- E. Project will be evaluated on the quality of the information completed in the E-record (25%) and quality of the exhibit (75%).

**CLASS 942. UNIT 4 – Double Crust Pie – Intermediate**

Exhibit requirements the same as for CLASS 941 – Junior.

**CLASS 943. UNIT 4 – Double Crust Pie – Senior**

Exhibit requirements the same as for CLASS 941 – Junior.

**CLASS 944. UNIT 4 – Celebration Meals – Junior**

Exhibit will consist of the following:

- A. Completed E-record with a copy of the original recipe and the modified recipe presented in a sturdy binder/notebook.
- B. Include the following information on the Foods & Nutrition page:
  - 1. Foods prepared
  - 2. Number of times
  - 3. Special concerns
- C. Documentation of one completed food science experiment from the manual in the E-record.

- D. Creative exhibit (notebook) illustrating celebration meals planned by member, including budget, timeline, and menu that includes two or more homemade prepared foods.
- E. Project will be evaluated on the quality of the information completed in the E-record (25%) and quality of the exhibit (75%).

**CLASS 945. UNIT 4 – Celebration Meals – Intermediate**  
Exhibit requirements the same as for CLASS 944 – Junior.

**CLASS 946. UNIT 4 – Celebration Meals – Senior**  
Exhibit requirements the same as for CLASS 944 – Junior.

**CLASS 947. UNIT 25 – Outdoor Cooking & Living – Juniors**  
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 display illustrating what was learned about camp set-up or first aid.
  - A piece of equipment made by the exhibitor (no larger than 3'x3'x3'). If exhibit is larger than these dimensions, a notebook with how and what was made can be used as the exhibit.
- D. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 948. UNIT 25 – Outdoor Cooking & Living – Intermediates**  
Exhibit requirements the same as for UNIT 25 – Juniors.

**CLASS 949. UNIT 25 – Outdoor Cooking & Living – Seniors**  
Exhibit requirements the same as for UNIT 25 – Juniors.

**CLASS 950. UNIT 30 – Cultural Foods – Intermediates**  
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%) and the quality of the food product (50%).

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

**CLASS 951. UNIT 30 – Cultural Foods – Seniors**  
Exhibit requirements the same as for UNIT 30 – Intermediates

**CLASS 952. UNIT 35 – Passport to Foreign Cookery – Intermediates**  
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, percent of income spent for food, how the area of the country affects diets, etc.
  2. A maximum of three pages of other information about the country, i.e. climate, geography, political structure, religion, dress, etc.
  3. A maximum of five pages of menus and recipes 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 the content in the E-record and research of selected country (50%) and the quality of the food product (50%).

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

**CLASS 953. UNIT 35 – Passport to Foreign Cookery - Seniors**  
Exhibit requirements the same as for UNIT 35 – Intermediates

## DEPT. L – FOOD PRESERVATION

Note: Please read 4-H Project Exhibit Rules on page 1.

Special Exhibit Rules for Food Preservation:

1. All foods must have been preserved since the last fair by the 4-H member.
2. All canned products must include the following information on the label:
  - a. Name of product
  - b. Method of preparation (type 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:

PEACHES	GREEN BEANS
ascorbic acid dip	hot pack, ½ tsp salt
hot pack-thin syrup	pressure canned at
boiling water bath canned	12 ½ pounds
35 minutes at	25 minutes at
5,000 feet	5,000 feet
September 2015	July 2016

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 fair, they should be loosened or removed for judging.
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.

**CLASS 954. UNITS 40 & 41 – Freezing & Drying – Juniors**  
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 the 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 955. UNITS 40 & 41 – Freezing & Drying – Intermediates**  
Exhibit requirements the same as for UNITS 40 & 41 – Juniors

**CLASS 956. UNITS 40 & 41 – Freezing & Drying – Seniors**  
Exhibit requirements the same as for UNITS 40 & 41 – Juniors

**CLASS 957. UNIT 42 – Boiling Water Canning – Juniors**  
Exhibit will consist of the following:

- A. Completed E-Record presented in a sturdy binder/notebook.
- B. Include the following information on the Food Preservation page:
  1. Date
  2. Name of product
  3. Amount
  4. Preparation Method
  5. Preservation or processing method used
- C. Any three of the following:
  1. Two jars of canned fruits (different kind of fruit in each jar).
  2. One jar of canned fruit and one jar of canned vegetables.
  3. One jar of tomato sauce
  4. One jar of pickled fruit or vegetable, including chutney.
  5. Two jars of jelly (both must be the same product).
  6. Two jars of jam, conserves, fruit butters, preserves, and marmalades (both must be the same product).
  7. One jar of pickled relish or salsa.
- D. A copy of the recipe must be attached to ensure that the product is safe.
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 958. UNIT 42 – Boiling Water Canning – Intermediates**  
Exhibit requirements the same as for UNIT 42 – Juniors.

**CLASS 959. UNIT 42 – Boiling Water Canning – Seniors**

Exhibit requirements the same as for UNIT 42 – Juniors

**CLASS 960. UNIT 43 – Pressure Canning – Intermediates**

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, chili 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 961. UNIT 43 – Pressure Canning – Seniors**

Exhibit requirements the same as for UNIT 43 – Intermediates

**DEPT. L – HERITAGE ARTS**

NOTE: Please read 4-H Project Exhibit Rules on page 1.

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" x 6") or delicate items should be mounted on an 8" x 10" 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 acknowledgement 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.

**CLASS 962. Crochet – Juniors**

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 & 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 963. Crochet – Intermediates**

Exhibit requirements the same as for Crochet – Juniors

**CLASS 964. Crochet – Seniors**

Exhibit requirements the same as for Crochet – Juniors

**CLASS 965. Miscellaneous Fiber Arts – Juniors**

**(Weaving, Spun skeins, Felted bags, Batiked fabric, hooked pillows, Navajo rugs, Macramé, etc.)**

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 & 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% yarn/fabric illustrating skills learned. Can be either or specific to a culture, country, or region. (Example: weavings, spun skeins, felted bags, batiked fabric, hooked pillows, Navajo rug, etc.
- D. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 966. Miscellaneous Fiber Arts – Intermediates**

Exhibit requirements the same as for Misc. Fiber Arts – Juniors

**CLASS 967. Miscellaneous Fiber Arts – Seniors**

Exhibit requirements the same as for Misc. Fiber Arts – Juniors

**CLASS 968. Miscellaneous Non-Fiber Arts – Juniors**

**(Weaving, Spun skeins, Felted bags, Batiked fabric, hooked pillows, Navajo rugs, Macramé, etc.)**

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 & 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 or 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%) and quality of the exhibit (75%).

**CLASS 969. Miscellaneous Non-Fiber Arts – Intermediates**

Exhibit requirements the same as for Misc Non-Fiber Arts – Juniors

**CLASS 970. Miscellaneous Non-Fiber Arts – Seniors**

Exhibit requirements the same as for Misc Non-Fiber Arts – Juniors

**CLASS 971. Knitting – Juniors**

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 & 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 972. Knitting – Intermediates**

Exhibit requirements the same as for Knitting – Juniors

**CLASS 973. Knitting – Seniors**

Exhibit requirements the same as for Knitting – Juniors

**CLASS 974. Needle Arts – Juniors**

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 & 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 975. Needle Arts – Intermediates**

Exhibit requirements the same as for Needle Arts – Juniors

**CLASS 976. Needle Arts – Seniors**

Exhibit requirements the same as for Needle Arts – Juniors

**CLASS 977. UNIT 1 – Quilting – Juniors**

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 & older) three or more references
  3. Include the stitches per inch on your item.



4. If a pattern was used, secure a copy of the pattern to the E-Record.
- C. One finished item illustrating what was learned. Items should include **one** of the following:
- a. Simple pieced quilt
  - b. Pillow sham
  - c. Two placemats or a table runner
  - d. Wall hanging
  - e. Unlined bag
- D. Exhibited items must be quilted – hand, machined or tied.
- E. No separate binding should be used. Items should be finished using a roll-over/self binding or an envelope turn.
- F. The exhibit should not use advance quilting techniques used in higher units. Examples of advanced skills are: paper or curved piecing, fussy cutting, or appliqué.
- G. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 978. UNIT 1 – Quilting – Intermediates**

Exhibit requirements the same as for Unit 1 Juniors

**CLASS 979. UNIT 1 -- Quilting – Seniors**

Exhibit requirements the same as for Unit 1 Juniors

**CLASS 980. UNIT 2 – Quilting – Juniors**

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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 981. UNIT 2 – Quilting – Intermediates**

Exhibit requirements the same as for UNIT 2 – Juniors.

**CLASS 982. UNIT 2 – Quilting – Seniors**

Exhibit requirements the same as for UNIT 2 – Juniors.

**CLASS 983. UNIT 3 – Quilting – Juniors**

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 & 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. 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, or 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 information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 984. UNIT 3 – Quilting – Intermediates**

Exhibit requirements the same as for UNIT 3 – Juniors.

**CLASS 985. UNIT 3 – Quilting – Seniors**

Exhibit requirements the same as for UNIT 3 – Juniors.

**CLASS 986. UNIT 4 – Quilting – Original Design – Juniors**

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 & 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 the original design. Item can have traditional or artistic design. Items could include *one* of the following:
- a. Quilt for bed, wall, table or other display (no minimum or maximum size)
  - b. Wearable garment
- D. Exhibit item must be hand or machine quilted/stitched, tied or a combination if it fits the design of the quilt.
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 987. UNIT 4 – Quilting – Original Design – Intermediates**  
Exhibit requirements the same as for UNIT 4 Juniors

**CLASS 988. UNIT 4 – Quilting – Original Design – Seniors**  
Exhibit requirements the same as for UNIT 4 Juniors

- 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 items made during your project (a minimum of at least 2 photos). These are in addition to the photos 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 development of a plan, goals, accomplishments and evaluation and completion of E-Record (25%), the quality of construction (75%).

**CLASS 990. UNIT 1 – Home Environment – Intermediate**  
Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 991. UNIT 1 – Home Environment – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 992. UNIT 2 – Home Environment – Juniors**  
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 #1 or one item from #2 for your exhibit.
  - 1. Standard communication board (bulletin board – 3'x2')  
OR
  - 2. Select one exhibit from the following (no furniture):
    - a. Centerpiece for table
    - b. Planter
    - c. Room or desk organizer
    - d. Decorative accessory for the home (see description)
    - e. Household item (see description)
    - f. Wall hanging 3' x 2'
- E. Project will be evaluated on the development of a plan, goals, accomplishments and evaluation and completion of E-Record (25%), the quality of construction (75%).

**CLASS 993. UNIT 2 – Home Environment – Intermediate**  
Exhibit requirements the same as for UNIT 2 – Juniors

**CLASS 994. UNIT 2 – Home Environment – Seniors**  
Exhibit requirements the same as for UNIT 2 – Juniors

## DEPT. L – HOME ENVIRONMENT

Note: Please read 4-H Project Exhibit Rules on page 1.

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 Description

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.

**CLASS 989. UNIT 1 – Home Environment – Juniors**  
Exhibit will consist of the following:

**CLASS 995. UNIT 3 – Home Environment – Juniors**

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 development of a plan, goals, accomplishments and evaluation and completion of E-Record (25%), the quality of construction (75%).

**CLASS 996. UNIT 3 – Home Environment – Intermediate**

Exhibit requirements the same as for UNIT 3 – Juniors

**CLASS 997. UNIT 3 – Home Environment – Seniors**

Exhibit requirements the same as for UNIT 3 – Juniors

**CLASS 998. UNIT 4 – Home Environment – Juniors**

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. Provide 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 development of a plan, goals, accomplishments and evaluation and completion of E-Record (25%), the quality of construction (75%).

**CLASS 999. UNIT 4 – Home Environment – Intermediate**

Exhibit requirements the same as for UNIT 4 – Juniors

**CLASS 1000. UNIT 4 – Home Environment – Seniors**

Exhibit requirements the same as for UNIT 4 – Juniors

**CLASS 1001. UNIT 5 – Home Environment – Juniors**

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 bed cover, made or purchased.
- D. Project will be evaluated on the development of a plan, goals, accomplishments and evaluation and completion of E-Record (25%), the quality of construction (75%).

**CLASS 1002. UNIT 5 – Home Environment – Intermediate**

Exhibit requirements the same as for UNIT 5 – Juniors

**CLASS 1003. UNIT 5 – Home Environment – Seniors**

Exhibit requirements the same as for UNIT 5 – Juniors

**CLASS 1004. UNIT 6 – Home Environment – Juniors**

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 scheme.
- 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. Provide 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 development of a plan, goals, accomplishments and evaluation and completion of E-Record (25%), the quality of construction (75%).

**CLASS 1005. UNIT 6 – Home Environment – Intermediate**

Exhibit requirements the same as for UNIT 6 – Juniors.

**CLASS 1006. UNIT 6 – Home Environment – Seniors**

Exhibit requirements the same as for UNIT 6 – Juniors

**CLASS 1007. UNIT 7 – Design Your Own – Seniors**

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 be either an item or an article or a display board or a notebook representing learning from 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, list of materials used, and a description of any changes made in the article's specifications 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 eligible for a top placing. The standardized display board size is 4' x 3' that is to be used with 4-H projects.
- D. Project will be evaluated on the development of a plan, goals, accomplishments and evaluation and completion of E-Record (50%), the quality of construction (50%).

## DEPARTMENT M

### ANIMAL SCIENCE

#### DEPT. M – VETERINARY SCIENCE

Note: Please read 4-H Project Exhibit Rules on page 1.

#### **CLASS 1. UNIT 1 – From Airedales to Zebras – Juniors**

Exhibit will consist of the following:

- A. *From Airedales to Zebras* project manual and E-Record presented in a sturdy binder/notebook including these items: manual with appropriate sections completed, E-Record and other attachments related to activities in the manual. Do a minimum of seven activities, any combination of activities and booster shots. 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' x 3' is to be used for 4-H projects. No additional items may be included on front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

#### **CLASS 2. UNIT 1 – From Airedales to Zebras – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

#### **CLASS 3. UNIT 1 – From Airedales to Zebras – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

#### **CLASS 4. UNIT 2 – All Systems Go – Juniors**

Exhibit will consist of the following:

- A. *All Systems Go* project manual and E-Record presented in a sturdy binder/notebook including these items: manual with appropriate sections completed, E-Record and other attachments related to activities in the manual. Do a minimum of seven activities, any combination of activities and booster shots. 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' x 3' is to be used for 4-H projects. NO additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

#### **CLASS 5. UNIT 2 – All Systems Go – Intermediates**

Exhibit requirements the same as for UNIT 2 – Juniors.

#### **CLASS 6. UNIT 2 – All Systems Go – Seniors**

Exhibit requirements the same as for UNIT 2 – Juniors.

#### **CLASS 7. UNIT 3 – On The Cutting Edge – Juniors**

Exhibit will consist of the following:

- A. *On The Cutting Edge* project manual and E-Record presented in a sturdy binder/notebook including these items: manual with appropriate sections completed, E-Record and other attachments related to activities in the manual. Do a minimum of seven activities, any combination of activities and booster shots. 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' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

#### **CLASS 8. UNIT 3 – On The Cutting Edge – Intermediates**

Exhibit requirements the same as for UNIT 3 – Juniors.

#### **CLASS 9. UNIT 3 – On The Cutting Edge – Seniors**

Exhibit requirements the same as for UNIT 3 – Juniors.

## DEPT. M – HORSELESS HORSE

## DEPT. M – CATS

Note: Please read 4-H Project Exhibit Rules on page 1.

Note: Please read 4-H Project Exhibit Rules on page 1.

### **CLASS 10. UNIT 1 – Making Horse Sense – Juniors**

Exhibit 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' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

### **CLASS 11. UNIT 1 – Making Horse Sense – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 12. UNIT 1 – Making Horse Sense – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 13. UNIT 2 – Hooves, Health & Horsemanship – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 14. UNIT 2 – Hooves, Health & Horsemanship – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 15. UNIT 2- Hooves, Health & Horsemanship – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 16. UNIT 3 – Breaking Ground – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 17. UNIT 3 – Breaking Ground – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors

### **CLASS 18. UNIT 3 – Breaking Ground – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 19. UNIT 4 – Brushing Up On Horses – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 20. UNIT 4 – Brushing Up On Horses – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 21. UNIT 4 – Brushing Up On Horses – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 22. UNIT 1 – Purr-fect Pals – Juniors**

Exhibit will consist of the following:

- A. A completed Companion Animal E-record presented in a sturdy binder/notebook.
- B. A display board illustrating a topic investigated during the project year. The standardized display board size of 4' x 3' is to be used for 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%) and quality of the exhibit (75%).

### **CLASS 23. UNIT 1 – Purr-fect Pals – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 24. UNIT 1 – Purr-fect Pals – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 25. UNIT 2 – Climbing Up – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 26. UNIT 2 – Climbing Up – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 27. UNIT 2 – Climbing Up – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 28. UNIT 3 – Leaping Forward – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 29. UNIT 3 – Leaping Forward – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 30. UNIT 3 – Leaping Forward – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

## BIOLOGICAL SCIENCE

### DEPT. M – GARDENING

Note: Please read 4-H Project Exhibit Rules on page 1.

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

#### **CLASS 100. UNIT 1 – See Them Sprout – Juniors**

Exhibit 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' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

#### **CLASS 101. UNIT 1 – See Them Sprout – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors

#### **CLASS 102. UNIT 1 – See Them Sprout – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors

#### **CLASS 103. UNIT 2 – Let's Get Growing! – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors

#### **CLASS 104. UNIT 2 – Let's Get Growing! – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors

#### **CLASS 105. UNIT 2 – Let's Get Growing! – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors

#### **CLASS 106. UNIT 3 – Take Your Pick – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors

#### **CLASS 107. UNIT 3 – Take Your Pick – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors

#### **CLASS 108. UNIT 3 – Take Your Pick – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors

#### **CLASS 109. UNIT 4 – Growing Profits, Advanced – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors

## MECHANICAL SCIENCES

### DEPT. M – BICYCLE

Note: Please read 4-H Project Exhibit Rules on page 1.

#### **CLASS 200. UNIT 1 – Bicycling for Fun – Juniors**

Exhibit 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' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

#### **CLASS 201. UNIT 1 – Bicycling for Fun – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

#### **CLASS 202. UNIT 1 – Bicycling for Fun – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

#### **CLASS 203. UNIT 2 – Wheels in Motion – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

#### **CLASS 204. UNIT 2 – Wheels in Motion – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

#### **CLASS 205. UNIT 2 – Wheels in Motion – Seniors**

Exhibit requirements the same as for Unit 1 – Juniors.

#### **CLASS 206. UNIT 3 – Bicycle Self-Determined – Intermediates**

Exhibit requirements the same as for Unit 1 – Juniors.

#### **CLASS 207. UNIT 3 – Bicycle Self-Determined - Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### DEPT. M – COMPUTERS

Note: Please read 4-H Project Exhibit Rules.

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 the 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.

**CLASS 208. Newbie Know-How – Juniors**

Exhibit 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 the manual) and completed E-Record.
- 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. The standardized display board size of 4' x 3' is to be used for 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 manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 209. Newbie Know-How – Intermediates**

Exhibit requirements the same as for Newbie Know-How – Juniors.

**CLASS 210. Newbie Know-How – Seniors**

Exhibit requirements the same as for Newbie Know-How – Juniors.

**CLASS 211. Inside the Box – Juniors**

Exhibit will consist of the following:

- A. One sturdy binder/notebook that contains the project manual or a copy of page 5 – Achievement Program Requirements with explored areas completed (page 5 of manual) and completed E-Record.
- 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. The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included in front of display board. All items must be attached to display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 212. Inside the Box – Intermediates**

Exhibit requirements the same as for Inside the Box – Juniors

**CLASS 213. Inside the Box – Seniors**

Exhibit requirements the same as for Inside the Box – Intermediates

**CLASS 214. Peer to Peer – Intermediates**

Exhibit 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) and completed E-Record.
- 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. The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included in front of display board. All items must be attached to display board.

- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 215. Peer to Peer – Seniors**

Exhibit requirements the same as for Peer to Peer – Intermediates.

**CLASS 216. Computers in the 21<sup>st</sup> Century – Intermediates**

Exhibit will consist of the following:

- A. One sturdy binder/notebook with completed E-Record.
- 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. Display ideas may be but are 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' x 3' 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 board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 217. Computers in the 21<sup>st</sup> Century – Seniors**

Exhibit requirements the same as for Computers in 21<sup>st</sup> Century – Juniors.

**CLASS 218. Teens Teaching Tech – Seniors**

Exhibit will consist of the following:

- A. One sturdy binder/notebook with completed E-Record.
- 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. The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included in front of display board. All items must be attached to display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**DEPT. M – ELECTRIC**

Note: Please read 4-H Project Exhibit Rules on page 1.

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

**CLASS 219. UNIT 1 – Magic of Electricity – Juniors**

Exhibit will consist of the following:

- A. Completed 4-H Electric project book and E-Record presented in a sturdy binder/notebook.
- B. One article or display board (not both) that you have made as a part of this unit of study. (Example: homemade flashlight, simple switch, circuit with two batteries and one light bulb, compass, electromagnet, galvanometer, electric motor, etc.) The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 220. UNIT 1 – Magic of Electricity – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 221. UNIT 1 – Magic of Electricity – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 222. UNIT 2 – Investigating Electricity – Juniors**  
Exhibit will consist of the following:

- A. Completed 4-H Electric project book and E-Record presented in a sturdy binder/notebook.
- B. One article or display board (not both) that you have made as a part of this unit of study. (Example: circuit diagrams with explanation, series circuit, parallel circuit, momentary switch, three-way switch, soldered connection, rocket launcher, burglar alarm, etc.) The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 223. UNIT 2 – Investigating Electricity – Intermediates**  
Exhibit requirements the same as for UNIT 2 – Juniors

**CLASS 224. UNIT 2 – Investigating Electricity – Seniors**  
Exhibit requirements the same as for UNIT 2 – Juniors

**CLASS 225. UNIT 3 – Wired for Power – Juniors**  
Exhibit will consist of the following:

- A. Completed 4-H Electric project book and E-Record presented in a sturdy binder/notebook.
- B. One article or display board (not both) which you have made as a part of this unit of study. (Example: electrical tool and supply kit, display of symbols on wires and cables and their meanings, display of light bulbs and the jobs they do best, display board on how to read an appliance name tag, chart showing the electrical usage of appliances, display board on how to replace a switch, etc.) The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 226. UNIT 3 – Wired for Power – Intermediates**  
Exhibit requirements the same as for UNIT 3 – Juniors

**CLASS 227. UNIT 3 – Wired for Power – Seniors**  
Exhibit requirements the same as for UNIT 3 – Juniors

**CLASS 228. UNIT 4 – Entering Electronics, Advanced – Seniors**  
Exhibit will consist of the following:

- A. Completed 4-H Electric project book and E-Record presented in a sturdy binder/notebook.
- B. One article or display board (not both) which you made as a part of this unit of study. (Example: display of electronic parts, diode, transistor, light emitting diode (LED), LED flasher photocell alarm, light meter, silicon controlled rectifier (SCR) intruder alarm, 6-8 watt amplifier with integrated circuit, etc.) The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

## **DEPT. M – GEOSPATIAL**

Note: Please read 4-H Project Exhibit Rules.

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.

**CLASS 229. LEVEL 1 – Setting Out – Juniors**  
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 a display board. The standardized display board size of 4' x 3' is to be used for 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 230. LEVEL 1 – Setting Out – Intermediates**  
Exhibit requirements the same as for LEVEL 1 – Juniors.

**CLASS 231. LEVEL 1 – Setting Out – Seniors**  
Exhibit requirements the same as for LEVEL 1 – Juniors.



**CLASS 232. LEVEL 2 – On the Trail – Juniors**

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’ x 3’ is to be used for 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 233. LEVEL 2 – On the Trail – Intermediates**

Exhibit requirements the same as for LEVEL 2 – Juniors.

**CLASS 234. LEVEL 2 – On the Trail – Seniors**

Exhibit requirements the same as for LEVEL 2 – Juniors.

**CLASS 235. LEVEL 3 – Reaching Your Destination - Juniors**

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. Explains 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’ x 3’ is to be used for 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 236. LEVEL 3 – Reaching Your Destination – Intermediates**

Exhibit requirements the same as for LEVEL 3 – Juniors.

**CLASS 237. LEVEL 3 – Reaching Your Destination – Seniors**

Exhibit requirements the same as for LEVEL 3 – Juniors.

**CLASS 238. GROUP PROJECTS – Juniors**

**(Developed by two or more 4-H members)**

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’ x 3’ is to be used for 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 239. GROUP PROJECTS – Intermediates**

Exhibit requirements the same as for GROUP Projects – Juniors.

**CLASS 240. GROUP PROJECTS – Seniors**

Exhibit requirements the same as for GROUP Projects – Juniors.

**DEPT. M – MODEL ROCKETRY**

Note: Please read 4-H Project Exhibit Rules on page 1.

Note to all units:

1. Rocket exhibits must relate to the skill level for the unit entered. Units 1-4 should include the color picture of the rocket and skill level title from the rocket-kit package as part of their record book. All project material must be organized and secured in a sturdy binder/notebook. Unit 6 must have a copy of plans or blueprints including instructions “step by step” to build the rocket.
2. Fins must be balsa wood (balsa, basswood, plywood, etc.) 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” x 12” x 1” thick. Only the rocket will be judged. Do not decorate the base. No triangular stands can be used for displaying the 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 Rocket Fly Day competition.
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.

**CLASS 241. UNIT 1 – Introduction to Rocketry – Juniors – Balsa Fins Only**

Exhibit will consist of the following:

- A. Completed Model Rocketry E-Record presented in a sturdy binder/notebook.
- B. On the Model Rocketry page enter the rockets you built in this unit. Include the following information:
  1. Model name; skill level: from a stock kit, modified kit or self-designed-and-built.
  2. Power: single-stage, multi-stage; cluster.
  3. The fuselage: single-tube or glider rear-engine or glider front-engine or glider canard.
  4. Engine information: engine code, label color, and type of recovery system.
- C. If the rocket was launched provide the following information on the Model 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 the 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%) and quality of exhibit (75%).

**CLASS 242. UNIT 1 – Introduction to Rocketry – Intermediates –Balsa Fins Only**

Exhibit requirements the same as for Intro to Rocketry – Juniors.

**CLASS 243. UNIT 1 – Introduction to Rocketry – Seniors –Balsa Fins Only**

Exhibit requirements the same as for Intro to Rocketry – Juniors.

**CLASS 244. UNIT 2 – Basic Model Rocketry – Juniors – Balsa Fins Only**

Exhibit will consist of the following:

- A. Completed Model Rocketry E-Record presented in a sturdy binder/notebook.
- B. On the Model Rocketry page enter the rockets you built in this unit. Include the following information:
  1. Model name; skill level: from a stock kit, modified kit or self-designed-and-built.
  2. Power: single-stage, multi-stage; cluster.
  3. The fuselage: single-tube or glider rear-engine or glider front-engine or glider canard.
  4. Engine information: engine code, label color, and type of recovery system.
- C. If the rocket was launched provide the following information on the Model 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 the problems you encountered?
- D. One rocket personally built in unit or display related to work done at Skill Level II.
  - E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 245. UNIT 2 – Basic Model Rocketry – Intermediates – Balsa Fins Only**

Exhibit requirements the same as for Basic Rocketry – Juniors .

**CLASS 246. UNIT 2 – Basic Model Rocketry – Seniors – Balsa Fins Only**

Exhibit requirements the same as for Basic Rocketry – Juniors.

**CLASS 247. UNIT 3 – Intermediate Model Rocketry – Juniors – Balsa Fins Only**

Exhibit will consist of the following:

- A. Completed Model Rocketry E-Record with completed questions in manual pages 31-35 presented in a sturdy binder/notebook.
- B. On the Model Rocketry page enter the rockets you built in this unit. Include the following information:
  1. Model name; skill level: from a stock kit, modified kit or self-designed-and-built.
  2. Power: single-stage, multi-stage; cluster.
  3. The fuselage: single-tube or glider rear-engine or glider front-engine or glider canard.
  4. Engine information: engine code, label color, and type of recovery system.
- C. If the rocket was launched provide the following information on the Model 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 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 248. UNIT 3 – Intermediate Model Rocketry – Intermediates – Balsa Fins Only**

Exhibit requirements the same as for Intermediate Rocketry – Juniors

**CLASS 249. UNIT 3 – Intermediate Model Rocketry – Seniors – Balsa Fins Only**

Exhibit requirements the same as for Intermediate Rocketry – Juniors

**CLASS 250. UNIT 4 – Advanced Model Rocketry – Juniors – Finished Fins of Any Type**

Exhibit will consist of the following:

- A. Completed Model Rocketry E-Record with completed questions in manual pages 14-18 presented in a sturdy binder/notebook.
- B. On the Model Rocketry page enter the rockets you built in this unit. Include the following information:
  1. Model name; skill level: from a stock kit, modified kit or self-designed-and-built.
  2. Power: single-stage, multi-stage; cluster.
  3. The fuselage: single-tube or glider rear-engine or glider front-engine or glider canard.
  4. Engine information: engine code, label color, and type of recovery system.
- C. If the rocket was launched provide the following information on the Model 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 the 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 251. UNIT 4 – Advanced Model Rocketry – Intermediates – Finished Fins of Any Type**  
Exhibit requirements the same as for Advanced Rocketry – Juniors.

**CLASS 252. UNIT 4 – Advanced Model Rocketry – Seniors – Finished Fins of Any Type**  
Exhibit requirements the same as for Advanced Rocketry – Juniors.

**CLASS 253. UNIT 6 – Designer Model Rocketry – Juniors – Finished Fins of Any Type**  
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. Must have a copy of the plans or blueprints on how to build the rocket.
- B. If the rocket was launched provide the following information on the Model 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 the 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 254. UNIT 6 – Designer Model Rocketry – Intermediates – Finished Fins of Any Type**

Exhibit requirements the same as for Designer Rocketry – Juniors.

**CLASS 255. UNIT 6 – Designer Model Rocketry – Seniors – Finished Fins of Any Type**

Exhibit requirements the same as for Designer Rocketry – Juniors.

**DEPT. M – POWER OF WIND**

Note: Please read 4-H Project Exhibit Rules on page 1.

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 prior to entering the State Fair.

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

**CLASS 256. Powered Vehicle – Juniors**

Exhibit will consist of the following:

- A. 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 257. Powered Vehicle – Intermediates**

Exhibit requirements the same as for Powered Vehicle – Juniors.

**Class 258. Powered Vehicle – Seniors**

Exhibit requirements the same as for Powered Vehicle – Juniors

**CLASS 259. Powered Machine – Juniors**

Exhibit will consist of the following:

- A. 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 260. Powered Machine - Intermediates**

Exhibit requirements the same as for Powered Machine – Juniors

**CLASS 261. Powered Machine – Seniors**

Exhibit requirements the same as for Powered Machine – Seniors

**CLASS 262. Wind Sculpture – Juniors**

Exhibit will consist of the following:

- A. 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 263. Wind Sculpture – Intermediates**

Exhibit requirements the same as for Wind Sculpture – Juniors.

**CLASS 264. Wind Sculpture – Seniors**

Exhibit requirements the same as for Wind Sculpture – Seniors

**CLASS 265. Power of Wind – Other – Juniors**

Exhibit will consist of the following:

- A. 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 266. Power of Wind – Other – Intermediates**

Exhibit requirements the same as for Other – Juniors

**CLASS 267. Power of Wind – Other – Seniors**

Exhibit requirements the same as for Other – Juniors

**CLASS 268. Group Projects – Juniors**

**(Developed by two or more 4-H members)**

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, 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 269. Group Project – Intermediates**

Exhibit requirements the same as for Group Project – Juniors

**CLASS 270. Group Project – Seniors**

Exhibit requirements the same as for Group Project – Juniors.

Note: Please read 4-H Project Exhibit Rules on page 1.

1. Robotics Platforms is just a fancy way to say robotics kits or robotics materials. Some types of commercial kits or platform include NXT, TETRIX, CEENBot, and VEX.
2. For more information about FIRST Robotics organization check out: [www.usfirst.org](http://www.usfirst.org).
3. For more information about the BEST Robotics organization check out: [www.bestinc.org](http://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****CLASS 271. UNIT 1 – Give Robotics a Hand – Juniors**

Exhibit will consist of the following:

- 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%) and quality of exhibit (75%).

**CLASS 272. UNIT 1 – Give Robotics a Hand – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 273. UNIT 1 – Give Robotics a Hand – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 274. UNIT 2 – Robots on the Move – Juniors**

Exhibit will consist of the following:

- 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%) and quality of exhibit (75%).

**CLASS 275. UNIT 2 – Robots on the Move – Intermediates**

Exhibit requirements the same as for UNIT 2 – Juniors.

**CLASS 276. UNIT 2 – Robots on the Move – Seniors**

Exhibit requirements the same as for UNIT 2 – Juniors.

**CLASS 277. UNIT 3 – Mechatronics – Juniors**

Exhibit will consist of the following:

- 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: 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%) and quality of exhibit (75%).

**CLASS 278. UNIT 3 – Mechatronics – Intermediates**  
Exhibit requirements the same as for UNIT 3 – Juniors.

**CLASS 279. UNIT 3 – Mechatronics – Seniors**  
Exhibit requirements the same as for UNIT 3 – Juniors.

### **ROBOTICS PLATFORMS**

**CLASS 280. UNIT 4 – Level 1 – Juniors**  
Exhibit will consist of the following:

- 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%) and quality of exhibit (75%).

**CLASS 281. UNIT 4 – Level 1 – Intermediates**  
Exhibit requirements the same as for UNIT 4 Level 1 – Juniors.

**CLASS 282. UNIT 4 – Level 1 – Seniors**  
Exhibit requirements the same as for UNIT 4 Level 1 – Juniors.

**CLASS 283. UNIT 5 – Level 2 – Juniors**  
Exhibit will consist of the following:

- 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 284. UNIT 5 – Level 2 – Intermediates**  
Exhibit requirements the same as for UNIT 5 Level 2 – Juniors.

**CLASS 285. UNIT 5 – Level 2 – Seniors**  
Exhibit requirements the same as for UNIT 5 Level 2 – Juniors.

**CLASS 286. UNIT 6 – Level 3 – Juniors**  
Exhibit will consist of the following:

- 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%) and quality of exhibit (75%).

**CLASS 287. UNIT 6 – Level 3 – Intermediates**  
Exhibit requirements the same as for UNIT 6 Level 3 – Juniors.

**CLASS 288. UNIT 6 – Level 3 – Seniors**  
Exhibit requirements the same as for UNIT 6 Level 3 – Juniors.

### **FIRST LEGO LEAGUE**

**CLASS 289. UNIT 7 – FLL – Juniors**  
Exhibit will consist of the following:

- 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 290. UNIT 7 – FLL – Intermediates**  
Exhibit requirements the same as for UNIT 7 – Juniors.

**CLASS 291. UNIT 7 – FLL – Seniors**  
Exhibit requirements the same as for UNIT 7 – Juniors.

### **FIRST TECH CHALLENGE**

**CLASS 292. UNIT 8 – FTC – Juniors**  
Exhibit will consist of the following:

- 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 293. UNIT 8 – FTC – Intermediates**  
Exhibit requirements the same as for UNIT 8 – Juniors.

**CLASS 294. UNIT 8 – FTC – Seniors**  
Exhibit requirements the same as for UNIT 8 – Juniors.

### **FIRST ROBOTICS COMPETITION**

**CLASS 295. UNIT 9 – FRC – Juniors**  
Exhibit will consist of the following:

- 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%) and quality of exhibit (75%).

**CLASS 296. UNIT 9 – FRC – Intermediates**  
Exhibit requirements the same as for UNIT 9 – Juniors.

**CLASS 297. UNIT 9 – FRC – Seniors**  
Exhibit requirements the same as for UNIT 9 – Seniors

## **BEST ROBOTICS**

### **CLASS 298. UNIT 10 – BEST – Juniors**

Exhibit will consist of the following:

- 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%) and quality of exhibit (75%).

### **CLASS 299. UNIT 10 – BEST – Intermediates**

Exhibit requirements the same as for UNIT 10 – Juniors.

### **CLASS 300. UNIT 10 – BEST – Seniors**

Exhibit requirements the same as for UNIT 10 – Juniors.

## **DEPT. M – SMALL ENGINES**

Note: Please read 4-H Project Exhibit Rules on page 1.

### **CLASS 301. UNIT 1 – Crank it Up – Juniors**

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. A display board on any topic from the Small Engines manual. Exhibit may be a display board or a stand-alone item such as: air and fuel systems, the electrical systems, a diagram of the engine block, etc. You may use diagrams, drawings and photographs. Label and use captions to make your display as educational as possible. The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

### **CLASS 302. UNIT 1 – Crank it Up – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 303. UNIT 1 – Crank it Up – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

### **CLASS 304. UNIT 2 – Warm it Up – Juniors**

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. A display board on any topic from the Small Engines manual. Exhibit may be a display board or a stand-alone item such as: air and fuel systems, the electrical systems, a diagram of the engine

block, etc. You may use diagrams, drawings and photographs. Label and use captions to make your display as educational as possible. The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.

- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

### **CLASS 305. UNIT 2 – Warm it Up – Intermediates**

Exhibit requirements the same as for UNIT 2 – Juniors.

### **CLASS 306. UNIT 2 – Warm it Up – Seniors**

Exhibit requirements the same as for UNIT 2 – Juniors.

### **CLASS 307. UNIT 3 – Tune it Up – Juniors**

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. A display board on any topic from the Small Engines manual. You may use pictures or any records you kept to provide evidence of your accomplishments and what you have learned. Exhibit may be a display board or a stand-alone item such as: air and fuel systems, the electrical systems, a diagram of the engine block, etc. Label and use captions to make your display as educational as possible. The standardized display board size of 4' x 3' is to be used for 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 manual and E-Record (25%) and quality of exhibit (75%).

### **CLASS 308. UNIT 3 – Tune it Up – Intermediates**

Exhibit requirements the same as for UNIT 3 – Juniors.

### **CLASS 309. UNIT 3 – Tune it Up – Seniors**

Exhibit requirements the same as for UNIT 3 – Juniors.

### **CLASS 310. UNIT 4 – Advanced Small Engines – Juniors**

*Note: Unit 4 can be used for any type of engine (tractor, car, etc.)*

Exhibit will consist of the following:

- A. A completed Small Engines Unit 4 E-Record with emphasis on your accomplishments in your story presented in a sturdy binder/notebook. (Self-Determined)
- B. Include the following information on the Specific Project Information Page in the E-Record:
  1. Written description of your project:
    - a. goals
    - b. plans
    - c. accomplishments
    - d. evaluation
- C. Exhibit may be a display board or a stand-alone item 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' x 3' is to be

used for 4-H projects. No additional items may be included in front of display board.

- D. Project will be evaluated on the quality of information completed in the E-Record and written description (25%) and quality of exhibit (75%).

**CLASS 311. UNIT 4 – Advanced Small Engines – Intermediates**  
Exhibit requirements the same as for UNIT 4 – Juniors.

**CLASS 312. UNIT 4 – Advanced Small Engines – Seniors**  
Exhibit requirements the same as for UNIT 4 – Juniors.

## NATURAL RESOURCES

### DEPT. M – ENTOMOLOGY

Note: Please read 4-H Project Exhibit Rules on page 1.  
*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 by that unit. Refer to the exhibit requirements for the number of insects to collect for that unit.
3. On units 2-7, records must include data and location where insects were collected. Place this information on labels attached to pins.

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 3½" Deep
- 18" W x 24" L x 3½" 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.

**CLASS 400. UNIT 1 – Let's Learn About Insects – Juniors**  
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"x16"x3". Regular insect pins are required.

- C. Project will be evaluated on the quality of the information completed in the workbook and E-Record (25%) and quality of exhibit (75%).

**CLASS 401. UNIT 1 – Let's Learn About Insects – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 402. UNIT 1 – Let's Learn About Insects – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 403. UNIT 2 – Learn More About Insects – Juniors**  
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 information completed in the workbook and E-Record (25%) and quality of exhibit (75%).

**CLASS 404. UNIT 2 – Learn More About Insects – Intermediate**  
Exhibit requirements the same as for UNIT 2 – Juniors

**CLASS 405. UNIT 2 – Learn More About Insects – Seniors**  
Exhibit requirements the same as for UNIT 2 – Juniors

**CLASS 406. UNIT 3 – Insect Habits & Controls – Juniors**  
Exhibit will consist of the following:

- A. Completed E-record and Entomology workbook presented in a sturdy binder/notebook.
- B. Insect collection – display no fewer than 75 and no more than 150 insects including a representative from at least 9 different orders, correctly labeled (one order developed in water). Include a special collection of 8 different insects, as stated in Unit 3 Workbook. Standard-sized display boxes with removable glass covers are required. Regular insect pins are required.
- C. Project will be evaluated on the quality of information completed in the workbook and E-Record (25%) and quality of exhibit (75%).

**CLASS 407. UNIT 3 – Insect Habits & Controls – Intermediate**  
Exhibit requirements the same as for UNIT 3 – Juniors

**CLASS 408. UNIT 3 – Insect Habits & Controls – Seniors**  
Exhibit requirements the same as for UNIT 3 – Juniors

**CLASS 409. UNIT 4 – Insect Identification & Community Projects – Juniors**  
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 information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 410. UNIT 4 – Insect Identification & Community Projects – Intermediates**

Exhibit requirements the same as for UNIT 4 – Juniors

**CLASS 411. UNIT 4 – Insect Identification & Community Projects – Seniors**

Exhibit requirements the same as for UNIT 4 – Juniors

**CLASS 412. UNIT 5 – Immature Insects & Life Stages – Juniors**

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 information completed in the workbook and E-Record (25%) and quality of exhibit (75%).

**CLASS 413. UNIT 5 – Immature Insects & Life Stages – Intermediates**

Exhibit requirements the same as for UNIT 5 – Juniors

**CLASS 414. UNIT 5 – Immature Insects & Life Stages – Seniors**

Exhibit requirements the same as for UNIT 5 – Juniors

**CLASS 415. UNIT 6 – Exploring With Insects – Juniors**

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 information completed in the workbook and E-Record (25%) and quality of exhibit (75%).

**CLASS 416. UNIT 6 – Exploring With Insects – Intermediates**

Exhibit requirements the same as for UNIT 6 – Juniors

**CLASS 417. UNIT 6 – Exploring With Insects – Seniors**

Exhibit requirements the same as for UNIT 6 – Juniors

**CLASS 418. UNIT 7 – Exploring With Insects, Advanced – Juniors**

Exhibit will consist of the following:

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

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

- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 419. UNIT 7 – Exploring With Insects, Advanced – Intermediates**

Exhibit requirements the same as for UNIT 7 – Juniors

**CLASS 420. UNIT 7 – Exploring With Insects, Advanced – Seniors**

Exhibit requirements the same as for UNIT 7 – Juniors

**DEPT. M – OUTDOOR ADVENTURES**

Note: Please read 4-H Project Exhibit Rules on page 1.

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

**CLASS 421. UNIT 1 – Hiking Trails – Juniors**

Exhibit will consist of the following:

- A. A completed manual and E-Record presented in a sturdy binder/notebook including these items: appropriate sections in the 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' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the manual and E-Record (25%) and quality of exhibit (75%).

**CLASS 422. UNIT 1 – Hiking Trails – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 423. UNIT 1 – Hiking Trails – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 424. UNIT 2 – Camping Adventures – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 425. UNIT 2 – Camping Adventures – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 426. UNIT 2 – Camping Adventures – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 427. UNIT 3 – Backpacking Expeditions – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors.



**CLASS 428. UNIT 3 – Backpacking Expeditions – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 429. UNIT 3 – Backpacking Expeditions – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**DEPT. M – SPORTFISHING**

Note: Please read 4-H Project Exhibit Rules on page 1.

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' x 3' is to be used for 4-H projects. No additional items may be included on or 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' in width and depth and 7' 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.

**CLASS 484. UNIT 1 – Take the Bait – Juniors**

Exhibit will consist of the following:

- A. Completed Sportfishing E-Record presented in a sturdy binder/notebook.
- B. Include the following information on the Specific Project Information Page in the Sportfishing E-Record:
  1. Record each fishing experience:
    - a. date
    - b. location
    - c. type (pond, lake, reservoir, stream, river or other)
    - 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 Form 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 stand-alone items such as hand-wrapped rods or handmade 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' x 3' is to be used for 4-H projects. No additional items may be included in front of display board. No wooden display cases. 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%) and quality of exhibit (75%).

**CLASS 485. UNIT 1 – Take the Bait – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 486. UNIT 1 – Take the Bait – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 487. UNIT 2 – Reel in the Fun – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 488. UNIT 2 – Reel in the Fun – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 489. UNIT 2 – Reel in the Fun – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 490. UNIT 3 – Cast into the Future – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 491. UNIT 3 – Cast into the Future – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 492. UNIT 3 – Cast into the Future – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**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.**

**CLASS 493. UNIT 1 – Stand Alone – Juniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 494. UNIT 1 – Stand Alone – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 495. UNIT 1 – Stand Alone – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 496. UNIT 2 – Stand Alone – Juniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 497. UNIT 2 – Stand Alone – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 498. UNIT 2 – Stand Alone – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 499. UNIT 3 – Stand Alone – Juniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 500. UNIT 3 – Stand Alone – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 501. UNIT 3 – Stand Alone – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

## DEPT. M – WILDLIFE

Note: Please read 4-H Project Exhibit Rules on page 1.

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.

**CLASS 502. UNIT 1 – The Worth of Wild Roots – Juniors**  
Exhibit 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' x 3'. 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.
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 503. UNIT 1 – The World of Wild Roots – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 504. UNIT 1 – The World of Wild Roots – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 505. UNIT 2 – Living Wild in an Ecosystem – Juniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 506. UNIT 2 – Living Wild in an Ecosystem – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 507. Unit 2 – Living Wild in an Ecosystem – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 508. UNIT 3 – Managing in a World with You & Me – Juniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 509. UNIT 3 – Managing in a World with You & Me – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 510. UNIT 3 – Managing in a World with You & Me – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 511. Stand-Alone Item – Juniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 512. Stand-Alone Item – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 513. Stand-Alone Item – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

## COMMUNICATION, ARTS, & LEISURE SCIENCES

### DEPT. M – CERAMICS

**NOTE: Please read 4-H Project Exhibit Rules on page 1.**

#### Project Exhibit Rules:

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

**CLASS 600. UNIT 1 – Glazes – Juniors**

**Includes glazes on earthenware, stoneware and porcelain.**

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 the three new skills learned. 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 601. UNIT 1 – Glazes – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 602. UNIT 1 – Glazes – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 603. UNIT 1 – Bisque Option – Juniors**

Exhibit requirements the same as for UNIT 1 – Glazes – Juniors

**CLASS 604. UNIT 1 – Bisque Option – Intermediates**

Exhibit requirements the same as for UNIT 1 – Glazes – Juniors

**CLASS 605. UNIT 1 – Bisque Option – Seniors**

Exhibit requirements the same as for UNIT 1 – Glazes – Juniors

**CLASS 606. UNIT 2 – Underglazes – Juniors**

**Includes underglazes on earthenware, stoneware and porcelain.**

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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 607. UNIT 2 – Underglazes – Intermediates**

Exhibit requirements the same as for UNIT 2 – Juniors.

**CLASS 608. UNIT 2 – Underglazes – Seniors**

Exhibit requirements the same as for UNIT 2 – Juniors.

**CLASS 609. UNIT 2 – Bisque Option – Juniors**

Exhibit requirements the same as for UNIT 2 – Underglazes – Juniors

**CLASS 610. UNIT 2 – Bisque Option – Intermediates**

Exhibit requirements the same as for UNIT 2 – Underglazes – Juniors

**CLASS 611. UNIT 2 – Bisque Option – Seniors**

Exhibit requirements the same as for UNIT 2 – Underglazes – Juniors

**CLASS 612. UNIT 3 – Overglazes – Juniors**

**Includes overglazes on earthenware, stoneware and porcelain.**

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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 613. UNIT 3 – Overglazes – Intermediates**

Exhibit requirements the same as for UNIT 3 – Juniors.

**CLASS 614. UNIT 3 – Overglazes – Seniors**

Exhibit requirements the same as for UNIT 3 – Juniors.

**CLASS 615. UNIT 4 – Unfired Finishes – Juniors**

**Includes unfired finishes on earthenware, stoneware, and porcelain.**

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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 616. UNIT 4 – Unfired Finishes – Intermediates**  
Exhibit requirements the same as for UNIT 4 – Juniors.

**CLASS 617. UNIT 4 – Unfired Finishes – Seniors**  
Exhibit requirements the same as for UNIT 4 – Juniors.

**CLASS 618. UNIT 4 – Bisque Option – Juniors**  
Exhibit requirements the same as for UNIT 4 – Unfired Finishes – Juniors

**CLASS 619. UNIT 4 – Bisque Option – Intermediates**  
Exhibit requirements the same as for UNIT 4 – Unfired Finishes – Juniors

**CLASS 620. UNIT 4 – Bisque Option – Seniors**  
Exhibit requirements the same as for UNIT 4 – Unfired Finishes – Juniors

**CLASS 621. UNIT 5 – Porcelain Dolls – Juniors**  
**Includes china paint on polished bisque or glazed porcelain (china). Soft-fired greenware is highly recommended for all doll projects.**

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 name, number and colors used.
  - 3. A list of steps:
    - a. If the piece was bisque-fired before application of color and to what cone size or temperature.

- b. How the color/colors were applied and number of coats. The cone size or temperature the color/colors were fired.
- c. A list of other products used.

- C. One piece or set showing techniques learned.
- D. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 622. UNIT 5 – Porcelain Dolls – Intermediates**  
Exhibit requirements the same as for UNIT 5 – Juniors.

**CLASS 623. UNIT 5 – Porcelain Dolls – Seniors**  
Exhibit requirements the same as for UNIT 5 – Juniors.

**CLASS 624. UNIT 6 – Hand-Constructed in Stoneware – Juniors**

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 name, number and colors used.
  - 3. A list of steps:
    - a. If the piece was bisque-fired before application of color and to what cone size or temperature.
    - b. How the color/colors were applied and number of coats. The cone size or temperature the color/colors were fired.
    - c. A list of other products used.
- C. One piece or set showing techniques used.
- D. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 625. UNIT 6 – Hand-Constructed in Stoneware – Intermediates**  
Exhibit requirements the same as for UNIT 6 – Juniors.

**CLASS 626. UNIT 6 – Hand-Constructed in Stoneware – Seniors**  
Exhibit requirements the same as for UNIT 6 – Juniors.

## DEPT. M – GLOBAL CITIZENSHIP

Note: Please read 4-H Project Exhibit Rules on page 1. **No display boards.**

**CLASS 627. UNIT 1 – Study of Another Country – Juniors**  
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 information completed in the E-Record (25%) and quality of the contents of the notebook. (75%).

**CLASS 628. UNIT 1 – Study of Another Country – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 629. UNIT 1 – Study of Another Country – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors

**CLASS 630. UNIT 2 – Host a Delegate from Another Country – Juniors**  
Exhibit will consist of the following:

- A. A sturdy three-ringed 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—pages 3-4 of manual
  3. During the Stay—page 4 of manual
  4. After Departure—page 4 of manual
  5. Resources—page 5 of manual
- B. Provide information on at least one demonstration or public speaking that you gave on your global citizenship project. Please record this information on the demonstration page in the E-Record. Be specific on audience, topic, visual aids, etc.
- C. Project will be evaluated on the quality of information in the E-Record (25%) and quality of the contents of the notebook (75%).

**CLASS 631. UNIT 2 – Host a Delegate from Another Country – Intermediates**  
Exhibit requirements the same as for UNIT 2 – Juniors

**CLASS 632. UNIT 2 – Host a Delegate from Another Country – Seniors**  
Exhibit requirements the same as for UNIT 2 – Juniors

**YOUTH COUNSELOR FOR INBOUND INTERNATIONAL DELEGATION**

**CLASS 633. UNIT 3 – Youth Counselor – Intermediates**  
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 information completed in the E-Record (25%) and quality of the contents of the notebook (75%).

**CLASS 634. UNIT 3 – Youth Counselor – Seniors**  
Exhibit requirements the same as for UNIT 3 – Intermediates

**CLASS 635. UNIT 4 – Exchange Delegate to Another Country – Intermediates**

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 information completed in the E-Record (25%) and quality of the contents of the notebook (75%).

**CLASS 636. UNIT 4 – Exchange Delegate to Another Country – Seniors**

Exhibit requirements the same as for UNIT 4 – Intermediates

**DEPT. M – LEADERSHIP**

Note: Please read 4-H Project Exhibit Rules on page 1.

**CLASS 637. UNIT 1 – Individual Skills for Young Members – Juniors**

Exhibit will consist of the following:

- A. Completed E-Record presented in a sturdy binder/notebook.
- B. A display board telling how you developed or improved one leadership skill. The standardized display board size of 4’ x 3’ is to be used for 4-H projects. No additional items may be included in front of display board.
- C. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 638. UNIT 2 – Individual Skills for Older Members – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 639. UNIT 2 – Individual Skills for Older Members – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 640. UNIT 3 – Skills Working Within Groups – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 641. UNIT 3 – Skills Working Within Groups – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 642. UNIT 4 – Skills Leading Groups – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 643. UNIT 4 – Skills Leading Groups – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**DEPT. M – LEATHERCRAFT**

Note: Please read 4-H Project Exhibit Rules on page 1.

Project Exhibit Rules for All Units:

1. Put name, age, and county on back of exhibit board or 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 first year Juniors take Unit 1 Intro to Stamping before taking Unit 8.**

6. Definitions:

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

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

**Cord** – is round and waxed thread.

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

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

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

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

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

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

**CLASS 644. UNIT 1 – Intro to Leathercraft & Stamping – Juniors**

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” x 18” x 1/8” or 1/4” (preferably pegboard) to which items are attached by means of lacing or thread. One each from categories below:
  1. One article or one set of articles on flat leather with no lacing or stitching, examples – bookmark, wrist bracelet, set of coasters.
  2. One article with at least two pieces of leather that are sewed together with lace using a whip stitch or running stitch. Pre-cut kits or self-cut leather may be used. Examples: Key case or knife sheath.
  3. One article with at least two pieces of leather that are sewed together with cord stitching. Use pre-cut kits with pre-punched holes – example: coin purse.
- C. Apply a clear finish to complete your article.
- D. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

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

**CLASS 645. UNIT 1 – Intro to Leathercraft & Stamping – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 646. UNIT 1 – Intro to Leathercraft & Stamping – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 647. UNIT 2 – Beginning Leather Carving – Juniors**

Exhibit will consist of the following:

- A. Completed E-Record presented in a sturdy binder/notebook.
- B. Exhibit board 12” x 18” x 1/8” or 1/4” (preferably pegboard) to which items are attached by means of lacing or thread:
  1. Three samples with labels showing:
    - a. Use of swivel knife and camouflage tool.
    - b. Steps shown in *sample a.* as well as use of pear shaver, 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. & b.*).
  2. Two completed articles using tools and skills studied in Units 1 & 2, which include lacing (at least one with double loop lacing).
- C. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

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

**CLASS 648. UNIT 2 – Beginning Leather Carving – Intermediates**

Exhibit requirements the same as for UNIT 2 – Juniors.

**CLASS 649. UNIT 2 – Beginning Leather Carving – Seniors**

Exhibit requirements the same as for Unit 2 – Juniors.

**CLASS 650. UNIT 3 – Intermediate Leather Carving – Juniors**

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, beginning dyeing, 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 information completed in the E-Record (25%) and quality of exhibit (75%).

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

**CLASS 651. UNIT 3 – Intermediate Leather Carving – Intermediates**

Exhibit requirements the same as for UNIT 3 – Juniors.

**CLASS 652. UNIT 3 – Intermediate Leather Carving – Seniors**

Exhibit requirements the same as for UNIT 3 – Juniors.

**CLASS 653. UNIT 4 – Advanced Leather Carving – Juniors**

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. Beginning dyeing and staining according to Unit 3 are acceptable, but color shading and solid-color dyeing will not be permitted on this article.
- C. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

Note: Solid-color dyeing and color shading will not be permitted.

**CLASS 654. UNIT 4 – Advanced Leather Carving – Intermediates**

Exhibit requirements the same as for UNIT 4 – Juniors.

**CLASS 655. UNIT 4 – Advanced Leather Carving – Seniors**

Exhibit requirements the same as for UNIT 4 – Juniors.

**CLASS 656. UNIT 5 – Coloring and Shading – Juniors**

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 or shade dyeing. The design can be either conventional or realistic carving.
- C. Project will be evaluated on the quality of information completed in the E-Record (25%)

**CLASS 657. UNIT 5 – Coloring and Shading – Intermediates**

Exhibit requirements the same as for UNIT 5 – Juniors.

**CLASS 658. UNIT 5 – Coloring and Shading – Seniors**

Exhibit requirements the same as for UNIT 5 – Juniors.

**CLASS 659. UNIT 6 – Pictorial Carving – Juniors**

Exhibit will consist of the following:

- A. Completed E-Record presented in a sturdy binder/notebook
- B. One framed or mounted carved leather picture (scene or portrait—not clocks) 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 information completed in the E-Record (25%) and quality of exhibit (75%).

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

**CLASS 660. UNIT 6 – Pictorial Carving – Intermediates**

Exhibit requirements the same as for UNIT 6 – Juniors.

**CLASS 661. UNIT 6 – Pictorial Carving – Seniors**

Exhibit requirements the same as for UNIT 6 – Juniors.

**CLASS 662. UNIT 7 – Making and Rebuilding Saddles – Juniors**

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 information completed in the E-Record (25%) and quality of exhibit (75%).

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

**CLASS 663. UNIT 7 – Making and Rebuilding Saddles – Intermediates**

Exhibit requirements the same as for UNIT 7 – Juniors.

**CLASS 664. UNIT 7 – Making and Rebuilding Saddles – Seniors**

Exhibit requirements the same as for UNIT 7 – Juniors.

**CLASS 665. UNIT 8 – Advanced Creative Stamping – Juniors**

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 information completed in the E-Record (25%) and quality of exhibit (75%).

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

**CLASS 666. UNIT 8 – Advanced Creative Stamping – Intermediates**

Exhibit requirements the same as for UNIT 8 – Juniors.

**CLASS 667. UNIT 8 – Advanced Creative Stamping – Seniors**

Exhibit requirements the same as for UNIT 8 – Juniors.

**CLASS 668. UNIT 9 – Braiding and Untooled – Juniors**

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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 669. UNIT 9 – Braiding and Untooled – Intermediates**  
Exhibit requirements the same as for UNIT 9 – Juniors.

**CLASS 670. UNIT 9 – Braiding and Untooled – Seniors**  
Exhibit requirements the same as for UNIT 9 – Juniors.

**CLASS 671. UNIT 10 – Sewing Leather – Juniors**  
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.
- C. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 672. UNIT 10 – Sewing Leather – Intermediates**  
Exhibit requirements the same as for UNIT 10 – Juniors.

**CLASS 673. UNIT 10 – Sewing Leather – Seniors**  
Exhibit requirements the same as for UNIT 10 – Juniors.

## DEPT. M – PHOTOGRAPHY

Note: Please read 4-H Project Exhibit Rules on page 1.

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 than 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” x 10” (no frame or glass).
7. Binders/notebooks: Use a hardback, three-ring notebook up to 3” in size for all units. No posters or oversized books. Do not use plastic covers on any pages in 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 of the manuals. Photos can be mounted on the journal pages or on cardstock. Label Format for Units 1-4:

Camera Used \_\_\_\_\_  
Type of film \_\_\_\_\_  
Exposure details \_\_\_\_\_  
Journal page # (if using cardstock to mount pictures) \_\_\_\_\_  
Photo # (left to right and top to bottom) \_\_\_\_\_  
Subject: \_\_\_\_\_  
Date Photo Taken \_\_\_\_\_

9. Label Format for UNITS 6-7:

Activity # \_\_\_\_\_  
Photo # \_\_\_\_\_  
Subject \_\_\_\_\_  
Date Photo Taken \_\_\_\_\_  
Notes: \_\_\_\_\_

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

### **CLASS 674. LEVEL 1 – Focus on Photography – Juniors**

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 – 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 photos, 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 675. LEVEL 1 – Focus on Photography – Intermediates**  
Exhibit requirements the same as for Level 1 Juniors.

**CLASS 676. LEVEL 1 – Focus on Photography – Seniors**  
Exhibit requirements the same as for Level 1 Juniors.

**CLASS 677. LEVEL 2 – Controlling the Image – Juniors**  
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 negatives/discs 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 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 photos, still subject with different aperture settings (explained in manual page 10); 3 photos, moving subjects with different shutter speeds (explained in manual page 10)
  3. Photo Journal page 16 – 6 photos
  4. Photo Journal page 20 – 3 photos as explained in manual on page 18
  5. Photo Journal page 24 – 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 678. LEVEL 2 – Controlling the Image – Intermediates**  
Exhibit requirements the same as for Level 2 Juniors.

**CLASS 679. LEVEL 2 – Controlling the Image – Seniors**  
Exhibit requirements the same as for Level 2 Juniors.

**CLASS 680. LEVEL 3 – Mastering Photography – Juniors**  
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 negatives/discs 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 and ready to hang.

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

**CLASS 681. LEVEL 3 – Mastering Photography – Intermediates**  
Exhibit requirements the same as for Level 3 Juniors.

**CLASS 682. LEVEL 3 – Mastering Photography – Seniors**  
Exhibit requirements the same as for Level 3 Juniors.

**CLASS 683. UNIT 4 – Lightning Photography - Juniors**  
Exhibit will consist of the following:

- A. Completed E-Record with emphasis on accomplishments in your story. Include photos in the E-Record photo page of you working on your project.
- B. 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. Three 5" x 7" photos mounted on a mat and suitable for hanging without additional frame. No other mounted materials (i.e. glass, wood, plastic, metal, etc.) can be used.
- D. These three photos can be taken from any of these categories: lightning, night-time, fireworks, moonlight, long exposure and high speed photos. For example: two lightning photos and one moonlight photo; or one lightning, one fireworks, one long exposure, and so on. Any combination can be done.
- E. Maximum size for the matted picture is no larger than 8" x 10".
- F. Attached to the back of the submitted print should be:
1. Name
  2. County
  3. Date, time, and location of photo
  4. Make and model of camera used
  5. Shutter speed and aperture setting
  6. ASA film speed (for film cameras) or IOS resolution setting (for digital cameras)
- G. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 684. UNIT 4 – Lightning Photography - Intermediates**  
Exhibit requirements the same as for Unit 4 Juniors.

**CLASS 685. UNIT 4 – Lightning Photography - Seniors**  
Exhibit requirements the same as for Unit 4 Juniors.

**CLASS 686. UNIT 6 – Advanced Photography – Juniors**  
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 on the Specific Information Page in the Photography Unit 6 E-Record:
1. goals
  2. plans
  3. accomplishments
  4. evaluation

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

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

- E. Notebook which illustrates 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 the quality of the written statement and completion of E-Record (25%) and quality of content in the notebook (75%).

**CLASS 687. UNIT 6 – Advanced Photography – Intermediates**  
Exhibit requirements the same as for Unit 6 Juniors.

**CLASS 688. UNIT 6 – Advanced Photography – Seniors**  
Exhibit requirements the same as for Unit 6 Juniors.

## DEPT M – 4-H FILMMAKING

Note: Please read 4-H Project Exhibit Rules on page 1.

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. Voice of 4-H History – An historical perspective on 4-H. May be a narrative, documentary, animation, etc.

**CLASS 689. Animation – Junior**  
Exhibit will consist of the following:

- A. Completed E-record and binder including story board.
- B. Video must be less than 10 minutes in length.
- C. The video should be DVD media only and ready for viewing. Be sure that the DVD can be viewed on various computer operating systems (ex: Windows, Mac, OS-X, etc.)

- D. Make sure your video is in good taste (similar to G and PG ratings). Videos may be disqualified if deemed to have questionable content. 4-H Code of Conduct must be followed.
- E. DVD must be labeled as follows:
1. Name
  2. County
  3. Title
  4. Class
- F. Project will be evaluated on the quality of the information completed in the E-record (25%) and quality of the exhibit (75%).

**CLASS 690. Animation – Intermediate**

Exhibit requirements the same as for Animation – Junior

**CLASS 691. Animation – Senior**

Exhibit requirements the same as for Animation – Junior

**CLASS 692. Narrative – Junior**

Exhibit requirements the same as for Animation – Junior

**CLASS 693. Narrative – Intermediate**

Exhibit requirements the same as for Animation – Junior

**CLASS 694. Narrative – Senior**

Exhibit requirements the same as for Animation – Junior

**CLASS 695. Documentary – Junior**

Exhibit requirements the same as for Animation – Junior

**CLASS 696. Documentary – Intermediate**

Exhibit requirements the same as for Animation – Junior

**CLASS 697. Documentary – Senior**

Exhibit requirements the same as for Animation – Junior

**CLASS 698. Promotional – Junior**

Exhibit requirements the same as for Animation – Junior

**CLASS 699. Promotional – Intermediate**

Exhibit requirements the same as for Animation – Junior

**CLASS 700. Promotional – Senior**

Exhibit requirements the same as for Animation – Junior

**CLASS 701. Voices of 4-H History – Junior**

Exhibit requirements the same as for Animation – Junior

**CLASS 702. Voices of 4-H History – Intermediate**

Exhibit requirements the same as for Animation – Junior

**CLASS 703. Voices of 4-H History – Senior**

Exhibit requirements the same as for Animation – Junior

**BEST PHOTO CONTEST**

**Open to any 4-H'er**

The Best Photo Contest is open to any 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.

**Class 389. Best Photo Contest – Juniors**

**Class 390. Best Photo Contest – Intermediates**

**Class 391. Best Photo Contest – Seniors**

Rules:

1. The picture must be an 8" x 10" print.
2. The photo must be mounted on a mat and suitable for hanging without additional frame. No other mounted materials (**i.e. foam core, glass, wood, plastic, metal, etc.**) can be used.
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
  - 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
6. There will be a Champion and a Reserve Champion placing awarded per class if deemed worthy. Each class Champion will be entered in the State Contest. The Grand and Reserve Grand Champions (from the State Contest) will be taken to the state 4-H office and a screen saver will be made. Once the screen saver is made the photos will be returned.

**DEPT. M – SCRAPBOOKING**

Note: Please read 4-H Project Exhibit Rules on page 1.

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

For those members who are exhibiting in several classes, you may copy your E-record. Each exhibit (class) must have an E-record. Be sure to highlight what you are exhibiting in your E-record.

**CLASS 704. Scrapbooking – One Page Layout – Juniors**

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.
- 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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 705. Scrapbooking – One Page Layout – Intermediates**  
Exhibit requirements the same as for One Page Layout – Juniors.

**CLASS 706. Scrapbooking – One Page Layout – Seniors**  
Exhibit requirements the same as for One Page Layout – Juniors

**CLASS 707. Scrapbooking – Two Page Layout – Juniors**  
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. Place completed project 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 and 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 (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 information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 708. Scrapbooking – Two Page Layout – Intermediates**  
Exhibit requirements the same as for Two Page Layout – Juniors.

**CLASS 709. Scrapbooking – Two Page Layout – Seniors**  
Exhibit requirements the same as for Two Page Layout – Juniors.

**CLASS 710. Scrapbooking Album – Juniors**  
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 lay-out.
    - 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. Two (2) Enlarged Photos (minimum size 5 x 7), one must be black and white or sepia
5. Two-page layout, coordinated and themed.

**Intermediates – 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.

**Seniors – 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. Two (2) Enlarged Photos (minimum size 5 x 7), one must be black and white or sepia
5. Inking/Stamping/Coloring
6. Create a Border
7. Fibers
8. Buttons or beads

9. Eyelets 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, coordinated and themed.
15. Memorabilia (in protective sleeve – archival safe)

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

**CLASS 711. Scrapbooking Album – Intermediates**

Exhibit requirements the same as for Album – Juniors.

**CLASS 712. Scrapbooking Album – Seniors**

Exhibit requirements the same as for Album – Juniors.

Senior Project on page 31 of manual. Place information in the E-Record on the Specific Information Page.

**CLASS 713. Scrapbooking Card Making – Intermediates**

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 techniques are required, at least three (3) per card. 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%) and quality of the exhibit (75%).

**CLASS 714. Scrapbooking Card Making – Seniors**

Exhibit requirements the same as for Scrapbooking Card Making - Juniors

**DEPT. M – WOODWORKING**

Note: Please read 4-H Project Exhibit Rules on page 1.

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 placings at State Fair.

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.

**CLASS 715. UNIT 1 – Measuring Up – Juniors**

**NOTE: Only tools used are hand tools. Articles made with tools other than hand tools will not be ranked in the top ten placings at State Fair.**

Exhibit will consist of the following:

- A. Completed Woodworking E-Record with the plans used for making the exhibit (tell if the plan was your own, manual or other) presented in a sturdy binder/notebook.
- B. Include the following information on the Woodworking page:
  1. Plan source used (your own, manual or other)
  2. Kind of wood used
  3. Names of joints and fasteners used
  4. A drawing or other copy of a plan for the article exhibited:
    - a. dimensions
    - b. list of materials used
    - c. a description of any changes in the article’s specifications
    - d. reason for the changes
  5. List of all articles made

The drawing or plan itself will not be judged. It is only for the judge’s use in judging the article exhibited. If the drawing is missing, the exhibit will not be ranked in the top ten placings at State Fair.
- C. Any one article constructed by the exhibitor using the skills learned in unit.
- D. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 716. UNIT 1 – Measuring Up – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 717. UNIT 1 – Measuring Up – Seniors**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 718. UNIT 2 – Making the Cut – Juniors**

**NOTE: Only tools used are: hand tools, power hand drill, miter box (non-powered), oscillating (pad) sander and jig saw. Articles made with power tools other than those listed, will not be ranked in the top ten placings at State Fair.**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 719. UNIT 2 – Making the Cut – Intermediates**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 720. UNIT 2 – Making the Cut – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 721. UNIT 3 – Nailing it Together – Juniors**

**NOTE: Only tools used are: hand tools, power hand drill, miter box, jig saw, 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 placings at State Fair.**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 722. UNIT 3 – Nailing it Together – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 723. UNIT 3 – Nailing it Together – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 724. UNIT 4 – Finishing Up – Juniors**

**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.**

Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 725. UNIT 4 – Finishing Up – Intermediates**  
Exhibit requirements the same as for UNIT 1 – Juniors.

**CLASS 726. UNIT 4 – Finishing Up – Seniors**  
Exhibit requirements the same as for UNIT 1 – Juniors.

## DEPT. M – VISUAL ARTS

Note: Please read 4-H Project Exhibit Rules on page 1.

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.

**CLASS 727. Portfolio Pathways—Paintings and Printing – Juniors**

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 Specific Project Information page in the E-Record. (Art techniques for painting:

acrylics, watercolors, abstracts, sand painting, self-portrait, action painting, oil painting with impasto, scumbling and perspective and encaustic painting. See manual for printing and graphic-design techniques.

- C. Explain in your 4-H E-Record story what you learned.
- D. Exhibit – display your best art design. Oil paintings and acrylic paintings should be no larger than 16” x 24” frame and ready to hang (no frames should be used). Watercolor paintings should use small matte and be framed with glass. The framed watercolor should not be larger than 16” x 24”.
- E. Graphic Design exhibit can be a logo or a self-portrait, a blog, advertisement, website, CD or DVD label, optical illusion, or a notebook of your graphic designs, etc.
- F. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 728. Portfolio Pathways – Paintings and Printing – Intermediates**

Exhibit requirements the same as for Paintings & Printing – Juniors.

**CLASS 729. Portfolio Pathways – Paintings and Printing – Seniors**

Exhibit requirements the same as for Paintings & Printing – Juniors.

**CLASS 730. Portfolio Pathways – Graphic Design – Juniors**

Exhibit requirements the same as for Paintings & Printing – Juniors.

**CLASS 731. Portfolio Pathways – Graphic Design – Intermediates**

Exhibit requirements the same as for Paintings & Printing – Juniors.

**CLASS 732. Portfolio Pathways – Graphic Design – Seniors**

Exhibit requirements the same as for Paintings & Printing – Juniors.

**CLASS 733. Sketchbook Crossroads – Drawing, Fiber and Sculpture – Juniors**

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 or Sculpture. Provide pictures of all completed art techniques on the Specific Project Information page in the E-Record. (Art techniques for drawing: continuous and contour, shading, perspective, paper choices, colored pencils, pen and ink, calligraphy and cartooning.) See manual for fiber and sculpture techniques.
- C. Explain in your 4-H E-Record story what you learned.
- D. Exhibit – display your best art design or sculpture. Framed drawings shall be no larger than 16” x 24” including the frame and ready to hang. Fiber art should be framed and ready to hang and no larger than 16” x 24”.
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

**CLASS 734. Sketchbook Crossroads – Drawing, Fiber and Sculpture – Intermediates**

Exhibit requirements the same as for Sketchbook Crossroads – Juniors .

**CLASS 735. Sketchbook Crossroads – Drawing, Fiber and Sculpture – Seniors**

Exhibit requirements the same as for Sketchbook Crossroads – Juniors.

**DEPT. M – PRIMARY 4-H**

**CLASS 340. Arts & Crafts**

Exhibit will consist of the following:

- A. Completed record book.
- B. Exhibit article.

**CLASS 341. Hand Sewing**

Exhibit will consist of the following:

- A. Completed record book.
- B. Exhibit article.

**CLASS 342. Garden**

Exhibit will consist of the following:

- A. Completed record book.
- B. Exhibit showing what was learned.

**CLASS 343. Entomology**

Exhibit will consist of the following:

- A. Completed record book.
- B. Exhibit showing what was learned.

**CLASS 344. Primary Calf**

Exhibit will consist of the completed record book.

**CLASS 345. Primary Lamb**

Exhibit will consist of the completed record book.

**CLASS 346. Primary Goat**

Exhibit will consist of the completed record book.

**CLASS 347. Primary Rabbit**

Exhibit will consist of the completed record book.

**CLASS 348. Primary Poultry**

Exhibit will consist of the completed record book.

**CLASS 349. Primary Dog**

Exhibit will consist of the completed record book.

**PRIMARY FOODS**

See Department L in this syllabus for class number and exhibit requirements.

**PRIMARY DECORATE YOUR DUDS**

See Department L in this syllabus for class number and exhibit requirements.

**DEPARTMENT JS**

**SHOOTING SPORTS**

Note: Please read 4-H Project Exhibit Rules on page 1.

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. (The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included on or in front of display board.) No wooden display cases.
4. No live ammo, broadheads, knives or functional firearms are allowed to be displayed.
5. Exhibits which address more than one discipline area or a skill or knowledge not readily categorized in a particular existing 4-H shooting discipline should be entered in miscellaneous.
6. Do not use the word "weapon" or "firearm" 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' in width & depth and 7' 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.
10. Label each item with name, address and county.

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

Items in wrong classes will NOT be eligible for blue ribbon placing. Exhibits must be entered in discipline that exhibit relates to.

**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.
- C. A Discipline Record Score Sheet is required.

- D. Exhibit may be a display board and/or a stand-alone item, such as gun stocks, decoys. Display items illustrating something learned in the project this year. The standardized display board size of 4' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.
- E. Project will be evaluated on the quality of information completed in the E-Record (25%) and quality of exhibit (75%).

- CLASS 430.** Archery – Junior
- CLASS 431.** Archery – Intermediate
- CLASS 432.** Archery – Senior
- CLASS 433.** Air Rifle – Junior
- CLASS 434.** Air Rifle – Intermediate
- CLASS 435.** Air Rifle – Senior
- CLASS 436.** Shotgun – Junior
- CLASS 437.** Shotgun – Intermediate
- CLASS 438.** Shotgun – Senior
- CLASS 439.** .22 Rifle – Junior
- CLASS 440.** .22 Rifle – Intermediate
- CLASS 441.** .22 Rifle – Senior
- CLASS 442.** .22 Pistol – Junior
- CLASS 443.** .22 Pistol – Intermediate
- CLASS 444.** .22 Pistol – Senior
- CLASS 445.** Muzzleloading – Junior
- CLASS 446.** Muzzleloading – Intermediate
- CLASS 447.** Muzzleloading – Senior
- CLASS 448.** Air Pistol – Junior
- CLASS 449.** Air Pistol – Intermediate
- CLASS 450.** Air Pistol – Senior
- CLASS 451.** Western Heritage – Junior
- CLASS 452.** Western Heritage – Intermediate
- CLASS 453.** Western Heritage – Senior
- CLASS 454.** Outdoor Skills – Junior
- CLASS 455.** Outdoor Skills – Intermediate
- CLASS 456.** Outdoor Skills – Senior

## **STAND ALONE CLASSES**

**These classes are for stand-alone items only. No display boards are allowed in the Stand-Alone Classes. Please check out Rules #8 & #9.**

- CLASS 457.** Archery Stand Alone – Junior
- CLASS 458.** Archery Stand Alone – Intermediate
- CLASS 459.** Archery Stand Alone – Senior
- CLASS 460.** Air Rifle Stand Alone – Junior
- CLASS 461.** Air Rifle Stand Alone – Intermediate
- CLASS 462.** Air Rifle Stand Alone – Senior
- CLASS 463.** Shotgun Stand Alone – Junior
- CLASS 464.** Shotgun Stand Alone – Intermediate
- CLASS 465.** Shotgun Stand Alone – Senior
- CLASS 466.** Air Pistol Stand Alone – Junior
- CLASS 467.** Air Pistol Stand Alone – Intermediate
- CLASS 468.** Air Pistol Stand Alone – Senior
- CLASS 469.** .22 Rifle Stand Alone – Junior
- CLASS 470.** .22 Rifle Stand Alone – Intermediate
- CLASS 471.** .22 Rifle Stand Alone – Senior
- CLASS 472.** .22 Pistol Stand Alone – Junior
- CLASS 473.** .22 Pistol Stand Alone – Intermediate
- CLASS 474.** .22 Pistol Stand Alone – Senior
- CLASS 475.** Western Heritage Stand Alone – Junior
- CLASS 476.** Western Heritage Stand Alone – Intermediate
- CLASS 477.** Western Heritage Stand Alone – Senior
- CLASS 478.** Outdoor Skills Stand Alone – Junior
- CLASS 479.** Outdoor Skills Stand Alone – Intermediate
- CLASS 480.** Outdoor Skills Stand Alone – Senior
- CLASS 481.** Muzzleloading Stand Alone – Junior
- CLASS 482.** Muzzleloading Stand Alone – Intermediate
- CLASS 483.** Muzzleloading Stand Alone – Senior



## 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 one. Make your display board 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*

4'

### SHAPE

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

### SPACE

Your display should only discuss one main topic. This will help it look neat and un-crowded.

### ATTACHMENTS

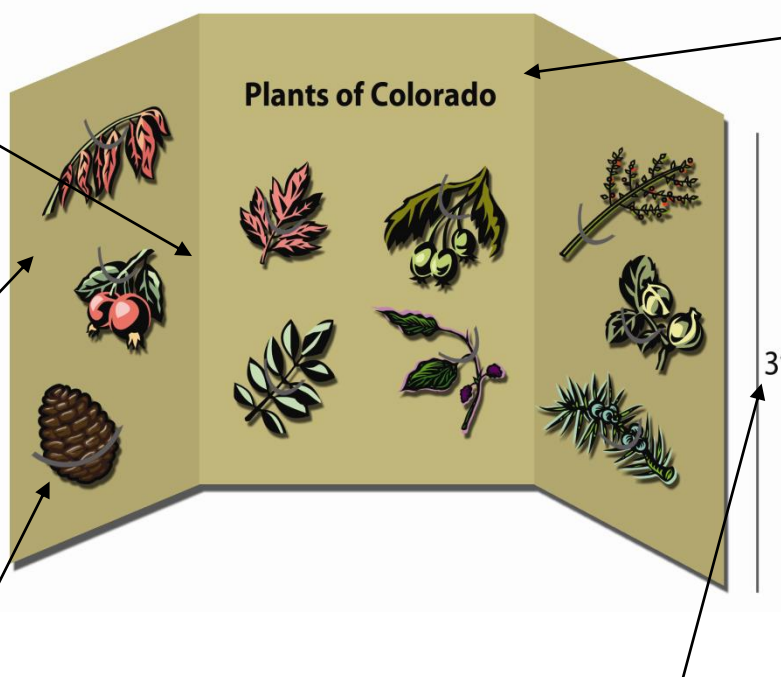
When attaching pictures and objects to your board make sure they are secure. Use glue for pictures and paper, and consider wires, zip ties or staples to attach bulkier items. Do not attach items that are so heavy that your board can't stand or fold.

### SIZE

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

### TEXT

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



### 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 cover:

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

### Sample

Kit Carson County  
033  
Jane Doe  
15  
Animal Science  
Vet Science  
Class 009

# Colorado 4-H Home Economics & General Projects

## Hints for Excellent Exhibits & Record Books

by Daniel Einarsen, 4-H Agent, Arapahoe County

**“What makes an outstanding 4-H exhibit?”**

**“Why did that kid get a higher placing than I did?”**

**“How could that goofy judge give *this* project a champion ribbon?”**

Sound familiar? Admit it – you’ve probably thought or said these things, too.

### Here are some answers when members & parents ask such questions:

1. **First of all**, a judge is hired to evaluate each exhibit on its own merit & quality - based on 4-H standards - as stated in the county fair book, (which should follow the Colorado State Fair 4-H Syllabus).

**Regardless of quality, if an exhibit or record doesn’t follow published standards, it should not receive a blue ribbon.** Nothing is unfair about this! Yet, some judges are not comfortable with this rule and feel it is inequitable to award a red ribbon for a “decent effort.” At state fair, a project *must* fall within the specific size and skill level parameters and match specific unit requirements in order to be placed in the “top ten.”

Judges and Extension staff can either **a)** “take the heat” for sticking to the rules verbatim and appearing heartless, or **b)** take the heat for flexibility and “not being fair to the kids who read and follow the rules.” Interview judging is helpful, but not universally practiced.

At any rate, 4-H families, volunteers and judges must have ready access to clearly written exhibit requirements in order to meet 4-H project expectations.

2. **Secondly**, the judge compares unit exhibits & records with each other. Let’s talk about records first. Some records are very complete, neat, and detailed about goals accomplished, field trips taken, demonstrations given, 4-H activities outside the project, etc. Many records have excellent photos, too. Some have wonderful written stories about what the 4-H’er learned and how much they gained from the project.

Other records are incomplete, brief, sloppy, full of spelling errors, etc. Some appear to be done by an adult or written in the car on the way to the fair. Some have a very brief story or none at all. Some have poor photos or none. A poorly done record book will diminish the overall exhibit quality, but an outstanding record book enhances any exhibit!

3. **Another thing** for 4-H’ers to remember is: records may not always be put on display with the exhibit, but the judge *does* read them. So it’s important to do a good job on records first. Judges may also be more lenient with parameters such as spelling, grammar and detail with younger, beginning members - but tougher on older, advanced members.

4. **Now**, what about the exhibit? Advice to kids: Your exhibit is what everyone comes to the fair to see, so make the display a real 'eye catcher' from a distance of 6 feet if you want anyone to notice it and learn something from you. If your exhibit gives a good first impression, the viewer will take a longer look.

Some exhibits *jump out at you*. Others don't. Some exhibits are striking, simple, attractive from a distance, and make you want to look longer. Others are not. Some show board displays are too complex or *busy*, with too many small details or tiny words printed on them. Poor exhibits are often fragile, poorly constructed or flimsy, and may not survive the environmental conditions at the fair. Other problems arise when exhibit items don't match the unit, or look like they were "thrown together the night before."

**An outstanding exhibit has the following qualities:**

- 1) Follows unit requirements and rules in the fair book
- 2) Attractive
- 3) Relatively simple
- 4) Colorful and/or showing strong contrast
- 5) Creative or artistic
- 6) Sturdy (won't fall apart in transit)
- 7) Educational
- 8) Intriguing
- 9) Gives viewer the impression that you enjoyed this project
- 10) Makes the viewer remark "wow" or "nicely done"

5. **A 4-H'er should** obtain a copy of the judging sheet prior to developing an exhibit. It shows what the judge will look for. 4-H members should also be trained in decision making/judging - through the 4-H program - so that they can learn to evaluate differences, based on criteria, and put themselves in the judge's shoes.

**Bottom Line: Here's what a judge likes to see:**

- 1) Complete, neat records indicating the 4-H'er learned and had fun.
- 2) A good story with interesting experiences explained.
- 3) Several photos with at least one action shot of the member doing something with their project. Photos showing processes, growth, change and action are always interesting. Years later, this will be the first page the 4-H member will turn to and reminisce.
- 4) Optional reports, experiments, etc. that are allowed.
- 5) An exhibit that has the 10 qualities listed above.

6. **The final thing to remember is that 4-H is about developing youth character and skills, more than the color of ribbons on projects. If 4-H'ers have done their very best, it doesn't matter where their exhibits place. And, if they aspire to "Make the Best Better" they are indeed CHAMPIONS!**