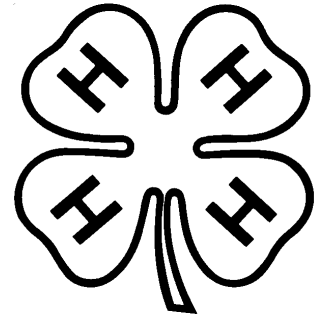


# **2022-2023 SYLLABUS**



**Class Numbers and  
Exhibit Requirements for:**

*Cake Decorating*  
*Clothing & Fashion Revue*  
*Foods*  
*Heritage Arts*  
*Home Design & Décor*  
*4-H General Projects*  
*Primary Projects*  
*Shooting Sports*

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

## DEPARTMENTS:

**L – 4-H Home Economics**

**M – General 4-H Projects**

**N – Shooting Sports**

### RELEASE TIME FOR ALL PROJECTS:

***Saturday July 29 – 2:00 - 3:00 p.m.***

<u>DEPT.</u>	<u>ENTRY</u>	<u>JUDGING</u>
L – Clothing & Fashion Revue (including Primary Dec Your Duds)	<i>Tuesday, July 18 – 9:00 a.m.</i>	<i>Tuesday, July 18 – 9:00 a.m.</i>
M – General 4-H	<i>Friday, July 21 – 5:00 – 7:00 p.m.</i>	<i>Saturday, July 22 – 9:00 a.m.</i>
M – Primary (excluding Dec Your Duds & Foods)	<i>Friday, July 21 – 5:00 – 7:00 p.m.</i>	<i>Saturday, July 22 – 9:00 a.m.</i>
N – Shooting Sports	<i>Friday, July 21 – 5:00 – 7:00 p.m.</i>	<i>Saturday, July 22 – 9:00 a.m.</i>
L – Home Design & Décor & Heritage Arts	<i>Friday, July 21 – 5:00 – 7:00 p.m.</i>	<i>Saturday, July 22 – 9:00 a.m.</i>
L – Foods (including Primary Foods)	<i>Saturday, July 22 – 9:00 a.m.</i>	<i>Saturday, July 22 – 9:00 a.m.</i>
L – Cake Decorating	<i>Saturday, July 22 – following foods judging</i>	<i>Saturday, July 22 – following foods judging</i>

### PREMIUMS – DEPARTMENTS L - M - N

Blue Award – \$5.00

Red Award – \$4.00  
Primary Award -- \$3.00

White Award – \$3.00

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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.*

#### 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 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. **The project work must be the member's own work and sources must be cited. Plagiarism will not be tolerated.**
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. If a member enrolls in two units of the same project (Leathercraft for example: member enrolls in Unit 2 and Unit 3 – they must exhibit at the higher level – Unit 3). When a member takes two units at the same time, they should master the skills of the lower unit and therefore exhibit in the higher unit.
5. 4-H e-Records may be completed by pencil, ink, or by computer. The choice will not affect judging.
6. Display board must meet the specifications. The standardized display board size of 4' x 3' is to be used for 4-H projects. No sharp items including but not limited to blades, thumb tacks, fishing hooks, knives, etc. are allowed on display board or as part of any other exhibit.
7. 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.
8. 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.
9. 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.
10. Only the first place exhibit in each project class will be eligible to exhibit at State Fair and will be awarded a Champion ribbon; second place will receive a Reserve Champion ribbon.
11. 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.**
12. Exhibits that do not meet exhibit standards and requirements will not be considered for Champion or Reserve Champion.
13. No binders with slider closures will be allowed.
14. For any type of video exhibit for the fair this year, we will be asking the 4-H member to upload the video to a secure 4-H website. Instructions will be sent out later to county staff and enrolled active members.

**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.

## DEPARTMENT L

### CONSUMER SCIENCE

#### DEPT. L – CAKE DECORATING

**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, (foam core, strong cardboard, plywood, particle board, etc.) cut parallel to the shape of the cake and must be 1 ½" on each side from the base of the border, not the cake. The surface should be covered. Freezer paper is not advised because it absorbs grease. The cake board must be covered with a food safe material – such as aluminum foil. If you use 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. Once a 4-H member has received a placing in the top 10 or a Grand Champion at State Fair, they need to move to another unit because they have mastered the skills in this unit. Also, if a member repeats a unit they must show what new skill they have learned by repeating the unit.
5. **No non-edible material can be used in Units 1-6.**
6. Lower units (1-3) in Cake Decorating should not use Royal Icing or Roller Fondant as the base frosting. **No fondant decorations can be used in Units 1, 2 or 3.** Only required tip work can be used in units 2 and 3.
7. If you exhibit requires over a 2' x 2' exhibit area, you **must** check with the Superintendent.
8. Cakes will **not** be cut for judging.
9. Real cakes are required for all four required cakes and cupcake batter in units 1-6. At least 2 of the cakes need to be real in Units 7-10. Also for Unit 8, two of the four cakes are required to be totally covered with fondant.
10. Unit 11 is molds and three molds are required plus the exhibit mold for a total of 4.
11. Unit 12 --- 75% of the judging will be on the notebook.
12. **All cakes require a bottom border.**
13. Definition of two-layered cake is, two of the same cakes placed on top of each other. This is used for Units 3, 7, 8 & 9.

**CLASS 2601. UNIT 1 – Edible Cake Decorating – Junior**

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" x 13" 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. **No fondant may be used for decorations or base icing 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 2602. UNIT 1 – Edible Cake Decorating – Intermediate**

Exhibit requirements the same as for CLASS 2601.

**CLASS 2603. UNIT 1 – Edible Cake Decorating – Senior**

Exhibit requirements the same as for CLASS 2601.

**CLASS 2604. UNIT 2 – Single-Layered Cake – Junior**

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 candy, etc., for decoration). 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 2605. UNIT 2 – Single-Layered Cake – Intermediate**

Exhibit requirements the same as for CLASS 2604.

**CLASS 2606. UNIT 2 – Single-Layered Cake – Senior**

Exhibit requirements the same as for CLASS 2604.

**CLASS 2607. UNIT 3 – Two-Layered Cake – Junior**

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 and figure piping are optional. **One fourth of the top of cake should be visible to show smooth base.** Do not use flowers made on a flower nail or materials other than frosting. No fondant or royal icing may be used as icing or decorations on the cake. **Only required tip work can be used in Unit 3. No non-edible material can be used in Units 1-6.**

- E. **Bottom base border required.**
- F. **Side trim required on Exhibit Cake and on at least two practice cakes.**
- G. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2608. UNIT 3 – Two-Layered Cake – Intermediate**

Exhibit requirements the same as for CLASS 2607.

**CLASS 2609. UNIT 3 – Two-Layered Cake – Senior**

Exhibit requirements the same as for CLASS 2607.

**CLASS 2610. UNIT 4 – Character Cakes – Junior**

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 4**) (All four 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 three 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 that frames the cake is required.**
- F. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2611. UNIT 4 – Character Cakes – Intermediate**  
Exhibit requirements the same as for CLASS 2610.

**CLASS 2612. UNIT 4 – Character Cakes – Senior**  
Exhibit requirements the same as for CLASS 2610.

**CLASS 2613. UNIT 5 – Themed Cupcakes – Junior**  
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 three batches of cupcakes, plus the exhibit cupcakes, for a minimum of five baking and decorating experiences. One batch = 12 cupcakes. (**TOTAL of 4**)
1. occasion for use
  2. size or shape
  3. four batches of cupcakes
  4. techniques used
  5. tips used and where
  6. edible materials used
  7. cost to buy similar cupcakes
  8. any problems you had

**Be sure to put the cost of your three cupcake batches and exhibit 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. Write a short explanation of what you did and what you learned with each batch you decorated.
- D. A minimum of 3 and a maximum of 6 regular size (2 ¼ 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.) Frosting must cover the cupcake and provide a base for decorations. One-fourth of the frosting must be visible on at least one cupcake. Spatula painting and brush striping are optional. 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 2614. UNIT 5 – Themed Cupcakes – Intermediate**  
Exhibit requirements the same as for CLASS 2613.

**CLASS 2615. UNIT 5 – Themed Cupcakes – Senior**  
Exhibit requirements the same as for CLASS 2613.

**CLASS 2616. UNIT 5 – Stacked Cupcakes – Junior**  
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 batches of cupcakes, plus the exhibit cupcakes, for a minimum of five baking and decorating experiences. One batch = 12 cupcakes. (**TOTAL of 4**):
1. occasion for use
  2. size or shape
  3. four batches of cupcakes
  4. techniques used
  5. tips used and where
  6. edible materials used
  7. cost to buy similar cupcakes
  8. any problems you had

**Be sure to put the cost of your three cupcake batches and exhibit 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. Write a short explanation of what you did and what you learned with each batch you decorated.
- D. A minimum of 4 and a maximum of 8 cupcakes creating one design where cupcakes are stacked on top of each other and decorated. (Experiment with using mini cupcakes and regular sized cupcakes when stacking.) Non-visible supports can be used to hold stacked cupcakes. Cupcakes are decorated using frosting and edible materials. Frosting must cover the cupcake and provide a base for decorations. One-fourth of the frosting must be visible on at least one cupcake. Fondant and royal icing can be used for decorations only. Cupcakes should be secured to a sturdy board (foam core, cardboard, plywood, particle board, etc.) and secured with frosting for display. Board size should be appropriate to design (use guideline for cakes – maximum of 9" x 13" or a 14" round). Spatula painting and brush striping are optional. No non-edible decorations can be used. Cupcakes can be stacked 2 but no more than 4 high with a maximum of 8 cupcakes total for the design. A variety of sizes is allowed and encouraged.
- E. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2617. UNIT 5 – Stacked Cupcakes – Intermediate**  
Exhibit requirements the same as for CLASS 2616.

**CLASS 2618. UNIT 5 – Stacked Cupcakes – Senior**  
Exhibit requirements the same as for CLASS 2616.

**CLASS 2619. UNIT 5 – Character Cupcakes – Junior**

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 batches of cupcakes, plus the exhibit cupcakes for a minimum of four baking and decorating experiences. One batch = 12 cupcakes (**TOTAL of 4**):
  - 1. occasion for use
  - 2. size or shape
  - 3. four batches of cupcakes
  - 4. techniques used
  - 5. tips used and where
  - 6. edible materials used
  - 7. cost to buy similar cupcakes
  - 8. any problems you had

**Be sure to put the cost of your three cupcake batches and exhibit 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. Write a short explanation of what you did and what you learned with each batch you decorated.
- D. Character Cupcakes are multiple individually decorated cupcakes that come together to create the character. **That is, if a cupcake is removed, the design or character will be ruined. Another way to describe character cupcakes is any design that cannot be displayed in a cupcake pan as individual cupcakes. Design should be one dimension – No stacking.**

Cupcakes are decorated using frosting and edible materials. Spatula painting and brush striping are optional. Frosting must cover the cupcake and provide a base for decorations. One-fourth of the frosting must be visible on at least one cupcake. Fondant and royal icing can be used only for decorations. The character must be displayed on one cake board (foam core, strong cardboard, plywood or particle board, etc.) with a maximum size of 9" x 13" or a 14" round. 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 exhibit (75%).

**CLASS 2620. UNIT 5 – Character Cupcakes – Intermediate**

Exhibit requirements the same as for CLASS 2619.

**CLASS 2621. UNIT 5 – Character Cupcakes – Senior**

Exhibit requirements the same as for CLASS 2619.

**CLASS 2622. UNIT 5 – Decorated Themed Cookies – Junior**

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 required three batches of cookies plus your exhibit cookies. (**TOTAL of 4**). One batch = 12 cookies.
  - 1. occasion for use
  - 2. size or shape
  - 3. three batches of cookies
  - 4. techniques used
  - 5. tips used and where
  - 6. edible materials used
  - 7. cost to buy similar cookies
  - 8. any problems you had

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

- C. Include photos or drawings of the three required batches of cookies in addition to photos of your working on your project in the record photo page. Write a short explanation of what you did and what you learned with each batch you decorated.
- D. A minimum of 3 and maximum of 6 regular size (3") cookies displayed on a disposable base no larger than 12", labeled with the exhibitor's name and county. Cookies should be of a similar design or theme. Cookies are decorated using frosting and edible materials. Spatula painting and brush striping are optional. Base Frosting – poured icing, buttercream, royal icing, run-in sugar – must cover the cookie and provide a base for decorations. One-fourth frosting must be visible on at least one cookie. Fondant and royal icing can be used only for decorations.
- E. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2623. UNIT 5 – Decorated Themed Cookies – Intermediate**

Exhibit requirements the same as for CLASS 2622.

**CLASS 2624. UNIT 5 – Decorated Themed Cookies – Senior**

Exhibit requirements the same as for CLASS 2622.

**CLASS 2625. UNIT 5 – Decorated Stacked Cookies – Junior**

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 required three batches of cookies plus your exhibit cookies. (**TOTAL of 4**) One batch = 12 cookies.
  - 1. occasion for use
  - 2. size or shape
  - 3. three batches of cookies
  - 4. techniques used
  - 5. tips used and where
  - 6. edible materials used
  - 7. cost to buy similar cookies
  - 8. any problems you had

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

- C. Include photos or drawings of the four required batches of cookies in addition to photos of you working on your project in the record photo page. Write a short explanation of what you did and what you learned with each batch you decorated.
- D. Cookies stacked on top of each other and decorated to create one design or theme that is a minimum of 6" and maximum of 12" in height. Cookies may vary in size according to the type of stacking being done. Cookies should be secured to a sturdy covered board for display not to exceed 12" x 12". Cookies are decorated using icing and edible materials. Fondant may be used only for decorations.
- E. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2626. UNIT 5 – Decorated Stacked Cookies – Intermediate**

Exhibit requirements the same as for CLASS 2625.

**CLASS 2627. UNIT 5 – Decorated Stacked Cookies – Senior**

Exhibit requirements the same as for CLASS 2625.



**CLASS 2628. UNIT 5 – Decorated Cookie Construction – Junior**  
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 required three cookie structures plus your exhibit cookie structure. **(TOTAL of 3)**
  - 1. occasion for use
  - 2. size or shape
  - 3. three batches of cookies
  - 4. techniques used
  - 5. tips used and where
  - 6. edible materials used
  - 7. cost to buy similar cookies
  - 8. any problems you had

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

- C. Include photos or drawings of the three required batches of cookies in addition to photos of you working on your project in the record photo page. Write a short explanation of what you did and what you learned with each batch you decorated.
- D. A cookie structure that is no more than 11" square and a maximum height of 20". The structure should be placed on a sturdy covered board not to exceed 14" x 14" and labeled with the exhibitor's name and county. The structure may be placed in a "glass" case for display. Structure is decorated using frosting and edible materials. Fondant may be used for decorations.
- E. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2629. UNIT 5 – Decorated Cookie Construction – Intermediate**

Exhibit requirements the same as for CLASS 2628.

**CLASS 2630. UNIT 5 – Decorated Cookie Construction – Senior**

Exhibit requirements the same as for CLASS 2628.

**CLASS 2631. Unit 6 – Cut-up Cakes – Junior**

Exhibit will consist of the following:

- A. Completed Cake Decorating e-Record presented in a sturdy binder/notebook.
- B. Include the following information in the Cake Decorating e-Record on the four required cut-up cakes plus the exhibit cake **(TOTAL of 4)** (All four cut-up cakes must be real cakes):
  - 1. occasion for use
  - 2. size or shape
  - 3. real cakes
  - 4. pattern(s) used
  - 5. techniques used
  - 6. tips used and where
  - 7. edible materials used
  - 8. cost to buy similar cake
  - 9. any problems you had

**Be sure to put the cost of your 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. Be sure to include photos or drawings of the steps in your process.**
- D. One decorated cut-up cake using three different types of decorator tips (not different sizes of the same tips). (Edible

materials may also be used; 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 exhibit (75%).

**CLASS 2632. UNIT 6 – Cut-up Cakes – Intermediate**

Exhibit requirements the same as for CLASS 2631.

**CLASS 2633. UNIT 6 – Cut-Up Cakes – Senior**

Exhibit requirements the same as for CLASS 2631.

**CLASS 2634. UNIT 7 – Flat Surface & Nail Flowers – Intermediate**

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

**Be sure to put the cost of your three cakes and exhibit cake on the expense page in the 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 exhibit (75%).

**CLASS 2635. UNIT 7 – Flat Surface & Nail Flowers – Senior**

Exhibit requirements the same as for CLASS 2634.

**CLASS 2636. UNIT 8 – Fondant – Intermediate**

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 cakes plus the exhibit **(TOTAL of 4)** (At least 2 of the 4 must be real cakes and all 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 2 of the 4 covered with fondant) Exhibit cake must be covered with fondant.
  - 4. techniques used
  - 5. tips used and where

6. cost to buy similar cake
7. any problems you had

**Be sure to put the cost of your three required cakes and exhibit cake on the expense page in the 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-inch 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 exhibit (75%).

**CLASS 2637. UNIT 8 – Fondant – Senior**

Exhibit requirements the same as for CLASS 2636.

**CLASS 2638. UNIT 9 – Lily Nail Flowers – Intermediate**

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 cakes must be real and the exhibit cake must have a lily nail flower on them):
  1. occasion for use
  2. size or shape
  3. cake or cake form (at least 2 real cakes)
  4. techniques used
  5. tips used and where
  6. cost to buy similar cake
  7. any problems you had

**Be sure to put the cost of your three 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 and a side trim. Texturing is optional.
- E. **String work (cornelli, sota or applique lace, etc.) 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 exhibit (75%).

**CLASS 2639. UNIT 9 – Lily Nail Flowers – Senior**

Exhibit requirements the same as for CLASS 2638.

**CLASS 2640. 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 three 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 base border is required.**
- F. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2641. 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, sugar, cereal bases covered in fondant, etc.). See manual.
  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") 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 exhibit (75%).

**CLASS 2642. 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. Notebook will be displayed. The display notebook and optional item must not require over a 2' x 2' area or consist of more than 3 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%).

## 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. UNIT 1 - STEAM Clothing 1 (Beginning) is for beginner sewers, those with little to no experience. UNIT 2 - STEAM Clothing 2 is for sewers who are familiar with the basic techniques and ready to learn more advanced skills. UNIT 3 - STEAM Clothing 3 is for the advanced sewer who wants to learn more about tailoring and advanced skills. 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 STEAM Clothing 1.
5. Due to the difficulty of skills involved, buttonholes and button loops are to be used in STEAM Clothing 2 and above.
6. Clothing is defined as wearable, dressy or casual wear, active/sportswear or sleepwear. An exhibit shall consist of no more than three coordinated pieces. No accessory items, i.e. shoes, scarves, hats, etc.
7. **Advanced Unit STEAM Clothing 3 – Complete one textile experiment using your garment fashion fabric each year.** Include this information in your clothing construction e-Record: completed experiment sheet(s) and sample(s) mounted on 8 ½" x 11" heavy paper. **No photos of experiments are allowed. Fabric must be attached.** Experiments may be repeated in a subsequent year if 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 STEAM Clothing 1, 2 and 3 and Unit 8 are to be made for the member except for Unit 4 – 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.*

**Members who are exhibiting more than one item may copy their e-Record. Each exhibit must have an e-Record. Be sure to highlight in your e-Record what you are exhibiting.**

### UNIT 1 STEAM CLOTHING 1 (Fundamentals)

#### **CLASS 2801. Pillowcase – 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 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 such as: simple seams, seam finishes, matching, suitable fabric/thread, cuff and even lip, etc.
- F. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

#### **CLASS 2802. Pillowcase – Intermediate**

Exhibit requirements the same as for CLASS 2801.

#### **CLASS 2803. Pillowcase – Senior**

Exhibit requirements the same as for CLASS 2801.

#### **CLASS 2804. 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 skills learned such as: simple seams, seam finishes, suitable fabric/thread, matching, trimmer corners, finished closure (lap or secured), etc.
- F. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

#### **CLASS 2805. Pillow – Intermediate**

Exhibit requirements the same as for CLASS 2804.

#### **CLASS 2806. Pillow – Senior**

Exhibit requirements the same as for CLASS 2804.

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

**CLASS 2807. Simple Top – 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 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. An exhibit illustrating the skills learned such as: simple seams, seam finishes, topstitching, darts, facing/interfacing, hems, fasteners, etc. Exhibits must use a firmly-woven, medium-weight cotton or at least 50% cotton-blend fabric. Exhibit should be a simple pattern with no more than five 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 2808. Simple Top – Intermediate**

Exhibit requirements the same as for Class 2807.

**CLASS 2809. Simple Top – Senior**

Exhibit requirements the same as for Class 2807.

**CLASS 2810. Simple Bottom – Junior**

**(pants, pajama bottoms, shorts, skirts)**

Exhibit requirements the same as for CLASS 2807.

**CLASS 2811. Simple Bottom – Intermediate**

**(pants, pajama bottoms, shorts, skirts)**

Exhibit requirements the same as for CLASS 2807.

**CLASS 2812. Simple Bottom – Senior**

**(pants, pajama bottoms, shorts, skirts)**

Exhibit requirements the same as for CLASS 2807.

**CLASS 2813. Simple Dress – Junior**

Exhibit requirements the same as for CLASS 2807.

**CLASS 2814. Simple Dress – Intermediate**

Exhibit requirements the same as for CLASS 2807.

**CLASS 2815. Simple Dress – Senior**

Exhibit requirements the same as for CLASS 2807

## UNIT 2 STEAM CLOTHING 2 (Simply Sewing)

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

**CLASS 2816. Top (vest acceptable) – 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 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 such as: set-in sleeves, zippers, collars, cuffs, button holes, etc. Exhibits may use any woven or knit fabric appropriate to the garment's design and should demonstrate sewing skills beyond STEAM Clothing 1. The exhibit MUST INCLUDE one or more of the following techniques: set-in sleeves, zippers, collars, cuffs or button holes.
- F. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2817. Top (vest acceptable) – Intermediate**

Exhibit requirements the same as for CLASS 2816.

**CLASS 2818. Top (vest acceptable) – Senior**

Exhibit requirements the same as for CLASS 2816.

**CLASS 2819. Bottom (pants or shorts) – Junior**

Exhibit requirements the same as for CLASS 2816.

**CLASS 2820. Bottom (pants or shorts) – Intermediate**

Exhibit requirements the same as for CLASS 2816.

**CLASS 2821. Bottom (pants or shorts) – Senior**

Exhibit requirements the same as for CLASS 2816.

**CLASS 2822. Skirt – Junior**

Exhibit requirements the same as for CLASS 2816.

**CLASS 2823. Skirt – Intermediate**

Exhibit requirements the same as for CLASS 2816.

**CLASS 2824. Skirt – Senior**

Exhibit requirements the same as for CLASS 2816.

**CLASS 2825. Dress (not formal wear) – Junior**

Exhibit requirements the same as for CLASS 2816.

**CLASS 2826. Dress (not formal wear) – Intermediate**

Exhibit requirements the same as for CLASS 2816.

**CLASS 2827. Dress (not formal wear) – Senior**  
Exhibit requirements the same as for CLASS 2816.

**CLASS 2828. Romper or Jumpsuit – Junior**  
Exhibit requirements the same as for CLASS 2816.

**CLASS 2829. Romper or Jumpsuit – Intermediate**  
Exhibit requirements the same as for CLASS 2816.

**CLASS 2830. Romper or Jumpsuit – Senior**  
Exhibit requirements the same as for CLASS 2816.

**CLASS 2831. Two-Piece Outfit – Junior**  
Exhibit requirements the same as for CLASS 2816.

**CLASS 2832. Two-Piece Outfit – Intermediate**  
Exhibit requirements the same as for CLASS 2816.

**CLASS 2833. Two-Piece Outfit – Senior**  
Exhibit requirements the same as for CLASS 2816.

## ADVANCED CLOTHING CONSTRUCTION

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

## UNIT 3 STEAM CLOTHING 3 (A Stitch Further)

**CLASS 2834. 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 exhibit (75%).

**CLASS 2835. Cotton or Cotton Blend – Senior**  
Exhibit requirements the same as for CLASS 2834.

**CLASS 2836. Synthetic/Rayon – 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. One garment or outfit of fabric containing 50-100% of synthetic/rayon.
- F. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2837. Synthetics/Rayon – Senior**  
Exhibit requirements the same as for CLASS 2836.

**CLASS 2838. Wool/Wool 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. One garment or outfit of fabric containing 50-100% of wool or wool-blend.
- F. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2839. Wool/Wool Blend – Senior**  
Exhibit requirements the same as for CLASS 2838.

**CLASS 2840. Silk/Silk-Like – 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 of 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 or silk-like fibers.
- F. Project will be evaluated on the quality of information completed in the e-record (25%) and quality of exhibit (75%).

**CLASS 2841. Silk/Silk-Like – Senior**

Exhibit requirements the same as for CLASS 2840.

**CLASS 2842. Specialty Fabrics (Leather, Fur, Linen, Ramie, Hemp, Sequined, Beaded, etc.) – Intermediate**

- 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 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 2843. Specialty Fabrics (Leather, Fur, Linen, Ramie, Hemp, Sequined, Beaded, etc.) – Senior**

Exhibit requirements the same as for CLASS 2842.

**UNIT 4 SEWING FOR OTHERS**

**CLASS 2844. UNIT 4 – Sewing for Others – 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 the project story:
  - 1. Why you chose to exhibit this item
  - 2. Who you made the garment(s) for
  - 3. Why, what new skills you learned this year
  - 4. What you liked best about your project
  - 5. What would you like to change
  - 6. What you learned about sewing for others (Did you have any special pattern alterations? If so, describe.)
  - 7. Will you continue to sew for others, why or why not?
  - 8. Did you charge for making the garment/outfit (if so, what you included in the billing; i.e. fabric notions, interfacing, utilities, time, mileage, etc.)
  - 9. What other work have you done in this project?
- B. Include the following information on the Clothing Construction page:
  - 1. A list of all the garments or articles made
  - 2. Percent of fiber content of each garment or article made
  - 3. Care of garment exhibited
- C. One garment or outfit which illustrates what was learned.
- D. Project will be evaluated on the quality of construction techniques (75%) and completed e-Record (25%).

**CLASS 2845. UNIT 4 – Sewing for Others – Intermediate**

Exhibit requirements the same as for CLASS 2844.

**CLASS 2846. UNIT 4 – Sewing for Others – Senior**

Exhibit requirements the same as for CLASS 2844.

**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 property loss. (These labels are available at the Extension Office at no charge.)
- 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 2900. PRIMARY Decorate Your Duds (Youth 5-7)**

Exhibit will consist of the following:

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

**CLASS 2901. Upcycle Your Style – Applied – Junior**

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 2902. Upcycle Your Style – Applied – Intermediate**

Exhibit requirements the same as for CLASS 2901.

**CLASS 2903. Upcycle Your Style – Applied – Senior**

Exhibit requirements the same as for CLASS 2901.

**CLASS 2904. Upcycle Your Style – Stitched – Junior**

Exhibit will consist of the following:

- A. Completed Artistic Construction 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: applique where satin stitch, etc., is used, embroidery, quilting, beading or knitting or crochet (by self of others).
- D. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2905. Upcycle Your Style – Stitched – Intermediate**

Exhibit requirements the same as for CLASS 2904.

**CLASS 2906. Upcycle Your Style – Stitched – Senior**

Exhibit requirements the same as for CLASS 2904.

**CLASS 2907. Upcycle Your Style – Combination – Junior**

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 2908. Upcycle Your Style – Combination – Intermediate**

Exhibit requirements the same as for CLASS 2907.

**CLASS 2909. Upcycle Your Style – Combination – Senior**

Exhibit requirements the same as for CLASS 2907.

**CLASS 2910. UNIT 4 – Recycled Clothing – Junior**

Exhibit will consist of the following:

- A. Completed Artistic Clothing 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 4-H Artistic Clothing page:
  - 1. A list of all the garments or article 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 Artistic Clothing e-Record.
- D. One garment or outfit which illustrates what was learned. Garment must be of fabric and be sewn.
- E. Project will be evaluated on the quality of construction techniques, creativity of adaptation (75%) and completed e-Record (25%)

**CLASS 2911. UNIT 4 – Recycled Clothing – Intermediate**

Exhibit requirements the same as for CLASS 2910.

**CLASS 2912. UNIT 4 – Recycled Clothing – Senior**

Exhibit requirements the same as for CLASS 2910.

**CLASS 2913. UNIT 5 – Creative Sewing – Costumes – Junior**

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 2914. UNIT 5 – Creative Sewing – Costumes - Intermediate**

Exhibit requirements the same as for CLASS 2913.

**CLASS 2915. UNIT 5 – Creative Sewing – Costumes – Senior**

Exhibit requirements the same as for CLASS 2913.

**CLASS 2916. UNIT 5 – Creative Sewing – All Other Exhibits – Junior**

Exhibit requirements the same as for CLASS 2913.

**CLASS 2917. UNIT 5 – Creative Sewing – All Other Exhibits – Intermediate**

Exhibit requirements the same as for CLASS 2913.

**CLASS 2918. UNIT 5 – Creative Sewing – All Other Exhibits – Senior**

Exhibit requirements the same as for CLASS 2913.

**CLASS 2919. UNIT 6 – Buymanship – Intermediate**

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:
  1. Self-assessment (Getting to Know Myself)
  2. Wardrobe Inventory
  3. Clothing Plan of Action
  4. 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 exhibit (75%).

**CLASS 2920. UNIT 6 – Buymanship – Senior**

Exhibit requirements the same as for CLASS 2919.

**CLASS 2921. UNIT 7 – Create Your Own – Exploration of Textiles & Clothing – Intermediates**

- 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%) and quality of construction of the item or quality of display board (50%).

**CLASS 2922. UNIT 7 – Create Your Own – Exploration of Textiles & Clothing – Senior**

Exhibit requirements the same as for CLASS 2921.

**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 4 – Recycled Clothing – Junior**

**CLASS 108. UNIT 4 – Recycled Clothing – Intermediate**

**CLASS 109. UNIT 4 – Recycled Clothing – Senior**

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

**CLASS 111. Upcycle Your Style – Junior**

**CLASS 112. Upcycle Your Style – Intermediate**



**CLASS 113. Upcycle Your Style – Senior**

**CLASS 114. UNIT 6 Buymanship – Intermediate**

**CLASS 115. UNIT 6 Buymanship – Senior**

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

**CLASS 117. Crochet Heritage Arts – Intermediate**

**CLASS 118. Crochet Heritage Arts – Senior**

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

**CLASS 120. Knitting Heritage Arts – Intermediate**

**CLASS 121. 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 for the base of the product. Example: boxed cake mixes for shortened cake or quick breads, cookie dough —boxed or frozen, etc. If the commercial mix is an added ingredient into the product, it is okay.**
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 its own 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 in the e-Record what item you are exhibiting.

**CLASS 3000. 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 3001. UNIT 1 – No Bake 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 & Nutrition page:
  1. Foods prepared
  2. Number of times
  3. Special concerns
- C. Include 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 3002. UNIT 1 – No Bake Cookies – Intermediate**

Exhibit requirements the same as for CLASS 3001.

**CLASS 3003. UNIT 1 – No Bake Cookies – Senior**

Exhibit requirements the same as for CLASS 3001.

**CLASS 3004. UNIT 1 – Baked Bar 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 & Nutrition page:
  1. Foods prepared
  2. Number of times
  3. Special concerns
- C. Include documentation of two completed learning activities from the manual in the record book.
- D. Four baked bar cookies 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 3005. UNIT 1 – Baked Bar Cookies – Intermediate**

Exhibit requirements the same as for CLASS 3004.

**CLASS 3006. UNIT 1 – Baked Bar Cookies – Senior**

Exhibit requirements the same as for CLASS 3004.

**CLASS 3007. 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 & Nutrition page:
  1. Foods prepared

2. Number of times
3. Special concerns

- C. Include 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 3008. UNIT 1 – Cookies – Intermediate**  
Exhibit requirements the same as for CLASS 3007.

**CLASS 3009. UNIT 1 – Cookies – Senior**  
Exhibit requirements the same as for CLASS 3007.

## **COOKING 201**

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

**CLASS 3010. 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 & Nutrition page:
  1. Foods prepared
  2. Number of times
  3. Special concerns
- C. Include 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 3011. UNIT 2 – Quick Breads – Intermediate**  
Exhibit requirements the same as for CLASS 3010.

**CLASS 3012. UNIT 2 – Quick Breads – Senior**  
Exhibit requirements the same as for CLASS 3010.

**CLASS 3013. 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 & 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 3014. UNIT 2 – Scones – Intermediate**  
Exhibit requirements the same as for CLASS 3013.

**CLASS 3015. UNIT 2 – Scones – Senior**  
Exhibit requirements the same as for CLASS 3013.

**CLASS 3016. 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 & Nutrition page:
  1. Foods prepared
  2. Number of times
  3. Special concerns
- C. Include 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 3017. UNIT 2 – Muffins – Intermediate**  
Exhibit requirements the same as for CLASS 3016.

**CLASS 3018. UNIT 2 – Muffins – Senior**  
Exhibit requirements the same as for CLASS 3016.

## **COOKING 301**

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

**CLASS 3019. 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. Include 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 exhibit (75%).

**CLASS 3020. UNIT 3 – Shortened Cakes – Intermediate**  
Exhibit requirements the same as for CLASS 3019.

**CLASS 3021. UNIT 3 – Shortened Cakes – Senior**  
Exhibit requirements the same as for CLASS 3019.

**CLASS 3022. 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. Include documentation of one completed food science experiment from the manual in the e-Record.
- D. Four kneaded yeast rolls of one variety and shape or four cinnamon rolls.
- E. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 3023. UNIT 3 – Yeast Rolls – Intermediate**  
Exhibit requirements the same as for CLASS 3022.

**CLASS 3024. UNIT 3 – Yeast Rolls – Senior**  
Exhibit requirements the same as for CLASS 3022.

**CLASS 3025. 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. Include 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 exhibit (75%).

**CLASS 3026. UNIT 3 – Creative Yeast Bread – Intermediate**  
Exhibit requirements the same as for CLASS 3025.

**CLASS 3027. UNIT 3 – Creative Yeast Bread – Senior**  
Exhibit requirements the same as for CLASS 3025.

**CLASS 3028. 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. Include 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 exhibit (75%).

**CLASS 3029. UNIT 3 – Party Planning – Intermediate**  
Exhibit requirements the same as for CLASS 3028.

**CLASS 3030. UNIT 3 – Party Planning - Senior**  
Exhibit requirements the same as for CLASS 3028.

## **COOKING 401**

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

**CLASS 3031. 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. Include 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 exhibit (75%).

**CLASS 3032. UNIT 4 – Flatbread – Intermediate**  
Exhibit requirements the same as for CLASS 3031.

**CLASS 3033. UNIT 4 – Flatbread – Senior**  
Exhibit requirements the same as for CLASS 3031.

**CLASS 3034. 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. Include 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 exhibit (75%).

**CLASS 3035. UNIT 4 – Double Crust Pie – Intermediate**  
Exhibit requirements the same as for CLASS 3034.

**CLASS 3036. UNIT 4 – Double Crust Pie – Senior**  
Exhibit requirements the same as for CLASS 3034.

**CLASS 3037. 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. Include 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 exhibit (75%).

**CLASS 3038. UNIT 4 – Celebration Meals – Intermediate**  
Exhibit requirements the same as for CLASS 3037.

**CLASS 3039. UNIT 4 – Celebration Meals – Senior**  
Exhibit requirements the same as for CLASS 3037.

**CLASS 3040. UNIT 5 – Outdoor Cooking & Living – Junior**  
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 & 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 3041. UNIT 5 – Outdoor Cooking & Living – Intermediate**  
Exhibit requirements the same as for CLASS 3040.

**CLASS 3042. UNIT 5 – Outdoor Cooking & Living – Senior**  
Exhibit requirements the same as for CLASS 3040.

**CLASS 3043. UNIT 6 – Cultural & Ethnic Foods – Intermediate**  
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 & 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 3044. UNIT 6 – Cultural & Ethnic Foods – Senior**  
Exhibit requirements the same as for CLASS 3043.

**CLASS 3045. UNIT 7 – Passport to Foreign Cookery – Intermediate**

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 & 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 3046. UNIT 37 – Passport to Foreign Cookery - Senior**  
Exhibit requirements the same as for CLASS 3045.

## 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 2022	July 2023

3. All dried foods must include the following information on the label:
  - a. Name or 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 2023

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.

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 3102. UNITS 1 & 2 – Freezing & Drying – Intermediate**  
Exhibit requirements the same as for CLASS 3101.

**CLASS 3103. UNITS 1 & 2 – Freezing & Drying – Senior**  
Exhibit requirements the same as for CLASS 3101.

**CLASS 3104. UNIT 3 – Boiling Water Canning – Junior**  
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 3105. UNIT 3 – Boiling Water Canning – Intermediate**  
Exhibit requirements the same as for CLASS 3104.

**CLASS 3106. UNIT 3 – Boiling Water Canning – Senior**  
Exhibit requirements the same as for CLASS 3104.

**CLASS 3107. UNIT 4 – Pressure Canning – Intermediate**  
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:

**CLASS 3101. UNITS 1 & 2 – Freezing & Drying – Junior**  
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 3108. UNIT 4 – Pressure Canning – Senior**  
Exhibit requirements the same as for CLASS 3109.

**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" foam core 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 Needle Arts, Spinning, Weaving, Ethnic Arts, Rug Making and Macramé.
8. When researching your project for the Heritage Arts Page in the e-Record, list references used:
  - a. Juniors (8-10) one or two references
  - b. Intermediates (11-13) two or three
  - c. Seniors (14 & older) three or more

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

**CLASS 3201. UNIT 1 – Crochet – Junior**

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. The skill demonstrated in the exhibit will be single crochet.
- D. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 3202. UNIT 1 – Crochet – Intermediate**

Exhibit requirements the same as for CLASS 3201.

**CLASS 3203. UNIT 1 – Crochet – Senior**

Exhibit requirements the same as for CLASS 3201.

**CLASS 3204. UNIT 2 – Crochet – Junior**

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. Discuss yarn substitution.
    - a. How do you determine to change yarns?
    - b. How do you adapt your stitches or pattern to different weights of yarn?
  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 set of up to three coordinated pieces illustrating skills learned. The skills demonstrated in the exhibit can utilize single crochet and must include at least one of the following:
  1. half double
  2. double
  3. treble
  4. color work
- D. Project will be evaluated on the quality of the information completed in the e-Record (25%) and the quality of the exhibit (75%).

**CLASS 3205. UNIT 2 – Crochet - Intermediate**

Exhibit requirements the same as for CLASS 3204.

**CLASS 3206. UNIT 2 – Crochet – Senior**

Exhibit requirements the same as for CLASS 3204.

**CLASS 3207. UNIT 3 – Crochet – Junior**

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. Discuss blocking and finishing techniques
    - a. What method of blocking is preferred for different fibers?
    - b. Give examples of the finishing techniques you used to make your project complete.
  2. List references used:
    - a. Juniors (8-10) one or two references
    - b. Intermediates (11-13) two or three
    - c. Seniors (14 & older) three or more
  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. The skills demonstrated in the exhibit can utilize any techniques learned in the project.
- D. Project will be evaluated on the quality of the information completed in the e-Record (25% and quality of the exhibit (75%).

**CLASS 3208. UNIT 3 – Crochet – Intermediate**

Exhibit requirements the same as for CLASS 3207.

**CLASS 3209. UNIT 3 – Crochet – Senior**

Exhibit requirements the same as for CLASS 3207.

**CLASS 3210. Miscellaneous Fiber Arts – Junior (Needle Arts, 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 ethnic specific to a culture, country, or region. (Example: weavings, spun skins, 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 3211. Miscellaneous Fiber Arts – Intermediate**

Exhibit requirements the same as for CLASS 3210.

**CLASS 3212. Miscellaneous Fiber Arts – Senior**

Exhibit requirements the same as for CLASS 3210.

**CLASS 3213. Miscellaneous Non-Fiber Arts – Junior (Native American beading, silver smithing, Ukrainian eggs, paper scrolling, wood carvings, 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 exhibit (75%).

**CLASS 3214. Miscellaneous Non-Fiber Arts – Intermediate**

Exhibit requirements the same as for CLASS 3213

**CLASS 3215. Miscellaneous Non-Fiber Arts – Senior**

Exhibit requirements the same as for CLASS 3213.

**CLASS 3216. UNIT 1 – Knitting – Junior**

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 begin?
    - 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. The skills demonstrated in the exhibit will be one or the other of the following:
  - Stockinette stitch
  - Garter stitch
 Ribbing is optional.
- D. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 3217. UNIT 1 – Knitting – Intermediate**

Exhibit requirements the same as for CLASS 3216.

**CLASS 3218. UNIT 1 – Knitting – Senior**

Exhibit requirements the same as for CLASS 3216

**CLASS 3219. UNIT 2 – Knitting – Junior**

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. Discuss yarn substitution
    - a. How do you determine to change yarns?
    - b. How do you adapt your stitches or pattern to different weights of yarn?
  2. List references used:
    - a. Juniors (8-10) one or two references
    - b. Intermediates (11-13) two or three
    - c. Seniors (14 & older) three or more
  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. The skills demonstrated in the exhibit can utilize Stockinette and/or Garter stitch and must include at least one of the following:
  1. Lace work
  2. Cable work
  3. Color work
 Ribbing is optional.
- D. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of the exhibit (75%).

**CLASS 3220. UNIT 2 – Knitting – Intermediate**

Exhibit requirements the same as for CLASS 3219.

**CLASS 3221. UNIT 2 – Knitting – Senior**

Exhibit requirements the same as for CLASS 3219.

**CLASS 3222. UNIT 3 – Knitting – Junior**

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. Discuss blocking and finishing techniques:
    - a. What method of blocking is preferred for different fiber?
    - b. Give examples of the finishing techniques you used to make your project complete.
  2. List references used:
    - a. Juniors (8-10) one or two references
    - b. Intermediates (11-13) two or three
    - c. Seniors (14 & older) three or more
  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. The skills demonstrated in the exhibit can utilize any techniques learned in the project.
- D. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of the exhibit (75%).

**CLASS 3223. UNIT 3 – Knitting – Intermediate**

Exhibit requirements the same as for CLASS 3222.

**CLASS 3224. UNIT 3 – Knitting – Senior**

Exhibit requirements the same as for CLASS 3222.

**CLASS 3225. UNIT 1 – Quilting – Junior**

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. Simple pieced quilt (lap size or smaller)
  2. Pillow
  3. Pillow sham
  4. Two placemats
- D. Exhibited items must be quilted – machine or tied.
- E. No separate binding should be used. Items should be finished using a roll-over/self-binding or an envelope turn.
- F. Consistent use of 1/4" seams required in all units.
- G. Two or more of the following required techniques are allowed:
  1. "Sandwiching" – layering quilt top, batting and backing
  2. Cutting of precuts and/or stitched pieces, using rulers and rotary cutter
  3. Straight block pattern
  4. "Nesting" seams
  5. Use of sashing
  6. Modification of original pattern (size, border, etc.)
- H. The exhibit should not use advanced quilting techniques used in Units 3, 4 and 5.
- I. Fabric selection allowed:
  1. Yardage
  2. Pre-printed panel
  3. Pre-cuts
- J. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 3226. UNIT 1 – Quilting – Intermediate**

Exhibit requirements the same as for CLASS 3225.

**CLASS 3227. UNIT 2 – Quilting – Junior**

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. Include the skills (at least three) that you learned and used on your quilt.
  - 5. If a pattern was used, secure a copy of the pattern to the e-Record.
- C. One finished item illustrating what was learned. Items should include **one** of the following:
- 1. Quilt 36" x 36" or larger
  - 2. Table runner
  - 3. Wall hanging
- D. Exhibit items must be quilted – machine or tied, rag quilt
- E. A separate binding should be used.
- F. Two or more of the following required techniques are allowed:
- 1. "Sandwiching" – layering quilt top, batting and backing.
  - 2. Cutting of precuts and/or stitched pieces, using rulers and rotary cutter.
  - 3. Straight block pattern
  - 4. "Nesting" seams
  - 5. Use of sashing
  - 6. Mitered corners
- G. The exhibit should not use advanced quilting techniques used in Units 3, 4, and 5.
- H. Fabric selection allowed:
- 1. Yardage
  - 2. Pre-printed panel
  - 3. Pre-cuts
- I. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 3228. UNIT 2 – Quilting – Intermediate**  
Exhibit requirements the same as for CLASS 3227.

**CLASS 3229. UNIT 2 – Quilting – Senior**  
Exhibit requirements the same as for CLASS 3227.

**CLASS 3230. UNIT 3 – Quilting – Junior**  
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. Include the skills (at least two) that you have learned and used in your quilt.
  - 5. If a pattern was used, secure a copy of the pattern to the e-Record.
- C. One finished item illustrating what was learned. Items should include **one** of the following:
  - 1. Quilt (lap size or larger)

- 2. Three coordinated pieces, such as a table runner and two placemats or a bed runner and two pillows
- D. Exhibited items must be hand or machine ONLY.
- E. A separate binding should be used.
- F. Two or more of the following Required Techniques are allowed:
  - 1. Triangle patterns
  - 2. Embellishments (includes NON-stitched appliques)
  - 3. "Fussy-cuts"
  - 4. Mitered corners
  - 5. "On point" rows
  - 6. Challenging fabric (denim, directional print, etc.)
  - 7. Flange or other "embellished" borders
- G. The exhibit should not use any techniques from Unit 4.
- H. Fabric selection allowed:
  - 1. Yardage
  - 2. Only applique pre-cuts allowed
- I. Project will be evaluated on the quality of information completed in the manual and e-Record (25%) and quality of exhibit (75%).

**CLASS 3231. UNIT 3 – Quilting – Intermediate**  
Exhibit requirements the same as for CLASS 3230.

**CLASS 3232. UNIT 3 – Quilting – Senior**  
Exhibit requirements the same as for CLASS 3230.

**CLASS 3233. UNIT 4 – Quilting – Original Design – Junior**  
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. Quilt (lap size or larger)
  - 2. Three coordinated pieces, such as a table runner and two placemats or a bed runner and two pillows.
- D. Exhibit item must be quilted – hand or machine ONLY.
- E. A separate binding should be used.
- F. Two or more of the following required techniques are allowed:
  - 1. Y-seams
  - 2. Curved piecing
  - 3. Free-motion quilting on standard sewing machine
  - 4. Use of ruler-work for quilting on standard machine
  - 5. Foundation or paper piecing
  - 6. Appliques, with stitched designs
- G. No tied quilts or long-arm machine quilting.
- H. Fabric selection allowed:
  - 1. Yardage

2. Only applique pre-cuts allowed

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

**CLASS 3234. UNIT 4 – Quilting – Original Design – Intermediate**

Exhibit requirements the same as for CLASS 3233.

**CLASS 3235. UNIT 4 – Quilting – Original Design – Senior**

Exhibit requirements the same as for CLASS 3233.

**CLASS 3236. UNIT 5 – Original Design – Junior**

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. Include the following:
    - a. Picture, sketch or description of inspiration
    - b. Any sketches, drafts, computer generated designs or blocks
    - c. Calculations, measurements and any adaptations or changes
    - d. Process or steps descriptions
- C. One finished item illustrating what was learned. Items should include **one** of the following:
1. Quilt (lap size or larger)
  2. Coordinated pieces, such as a table runner and two placemats or a bed runner and two pillows
- D. Exhibit items must be quilted – hand or machine quilted (traditional or long-arm).
- E. A separate binding should be used.
- F. Two or more of the required techniques from previous Units, but the design must be **original**.
- G. Fabric selection allowed:
1. Yardage
  2. Only applique pre-cuts allowed
- H. NO commercial patterns allowed.
- I. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of the exhibit (75%).

**CLASS 3237. UNIT 5 – Original Design – Intermediate**

Exhibit requirements the same as for CLASS 3236.

**CLASS 3238. UNIT 5 – Original Design – Senior**

Exhibit requirements the same as for CLASS 3236.

**CLASS 3239. UNIT 6 – Long-Arm Quilting – Intermediate**

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. Include the skills (at least two) that you learned and used on your quilt.
  5. If a pattern was used, secure a copy of the pattern to the e-Record.
- C. One finished item illustrating what was learned. Items should include **one** of the following:
1. Quilt (original design)
  2. Wall hanging
  3. Clothing article using quilting techniques
- D. Exhibited items must use long-arm quilter, free hand or programmed designs.
- E. A separate binding should be used.
- F. Use any three of the required techniques from Units 2, 3, or 4.
- G. Fabric selection allowed:
1. Yardage
  2. Pre-cuts allowed
- H. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of the exhibit (75%).

**CLASS 3240. UNIT 6 – Long-Arm Quilting – Senior**

Exhibit requirements the same as for CLASS 3239..

**DEPT. L – HOME DESIGN & DÉCOR**

**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.

### Definitions of Decorative Accessory and Household Items

A *decorative accessory* is a small decoration 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
- Pillows, 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:

- Wastebasket
- Canister
- Planters
- Foot stools, etc.

### **CLASS 3304. UNIT 2 – Home Design & Décor – Junior**

Exhibit will consist of the following:

- A. Completed Home Design & Décor e-Record presented in a sturdy binder/notebook. Include in your project story why you chose your exhibit, how you plan to use it, and what other items you made.
- B. Include the following information on the Home Design & Décor page in the e-Record:
  1. Two or more exhibit photos showing item in place where it will be used and as a part of the total room design. These are in addition to the photos required in the e-Record.
  2. A statement on how you improved your family's safety or a family escape plan.
- C. One item or set from the following:
  1. Communication board (3' x 2')
  2. Room or desk organizer
  3. A wall hanging (3' x 2')
  4. Decorative accessory
  5. Household item (see definition)
  6. Family escape plan
- D. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75).

### **CLASS 3305. UNIT 2 – Home Design & Décor – Intermediate**

Exhibit requirements the same as for CLASS 3304.

### **CLASS 3306. UNIT 2 – Home Design & Décor – Senior**

Exhibit requirements the same as for CLASS 3304.

### **CLASS 3307. UNIT 3 – Home Design & Décor – Junior**

Exhibit will consist of the following:

- A. Completed Home Design & Décor e-Record in a sturdy binder/notebook, including room scheme. Include in your project story why you chose your exhibit, how you plan to use it, what other items you made, and what recycled or reusable items you used this year.
- B. Select one of the following for an exhibit:
  1. A refinished or refurbished piece of furniture. To refurbish is to restore a furniture piece to a new look by repairing damage and/or replacing seating or upholstery caused by heavy wear or neglect. Refinishing is when you strip off the old finish and apply a new finish or color that was not original to that piece of furniture.
    - a. Attach pictures showing the original piece, one during the refinishing or refurbishing process, and one of the completed piece(s). These photos are in addition to the photos required in the e-Record.
    - b. A brief description of how the piece(s) fit into the room placed in the e-Record.
  2. Select from one of the items below to exhibit:
    - a. A brief description of the window treatment or bed covering you made or purchased that includes how it fits into the design of the room, and if purchased, why?
    - b. Attach up to 4 photos showing the exhibited item(s) in use in the room. These are in addition to the photos required in the e-Record.

OR

OR

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

### **CLASS 3301. UNIT 1 – Home Design & Décor – Junior**

Exhibit will consist of the following:

- A. Completed Home Design & Décor e-Record presented in a sturdy binder/notebook. Include in your project story why you chose your exhibit, how you plan to use it, what other items you made, and what recycled or reusable items you used this year.
- B. Include the following information on the Home Design & Décor page: pictures of other recycled items made during your project (a minimum of at least two photos). These are in addition to the photo required in the e-Record.
- C. Select one of the following using at least 50% recycled or reused items (no furniture):
  1. Using recycled material to make one of the following to be used outside:
    - a. Bird feeder or Birdhouse
    - b. Wind chime
    - c. Picnic caddy
  2. Using at least 50% recycled or reused items (no furniture) to make one of the following items to be used inside the house.
    - a. Centerpiece for table
    - b. Planter
    - c. Room or desk organizer
    - d. Decorative accessory for the home (see definition)
    - e. Household item (see definition)
    - f. Wall hanging (3' x 2')
- D. Completed Activity 2 – Color wheel from the manual placed in the e-Record.
- E. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

### **CLASS 3302. UNIT 1 – Home Design & Décor – Intermediate**

Exhibit requirements the same as for CLASS 3301.

### **CLASS 3303. UNIT 1 – Home Design & Décor – Senior**

Exhibit requirements the same as for CLASS 3301.

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

**CLASS 3308. UNIT 3 – Home Design & Décor – Intermediate**  
Exhibit requirements the same as for CLASS 3307.

**CLASS 3309. UNIT 3 – Home Design & Décor – Senior**  
Exhibit requirements the same as for CLASS 3307.

**CLASS 3310. UNIT 4 – Home Design & Décor – Intermediate**  
Exhibit will consist of the following:

- A. Completed Home Design & Décor e-Record presented in a sturdy binder/notebook.
- B. Include in the e-Record a written statement with the following information:
1. Goals
  2. What your plan was for this project
  3. Did you accomplish your goals?
  4. List the resources that you used.
  5. How did you share your project?
  6. How did you evaluate your project?
- C. Select one from the following for an exhibit:
1. Design board (art board, corrugated plastic, etc.) 22" x 30". Foam core or foam board for mounting samples. The design board will include samples of paint, fabric, flooring, etc., for the room you are designing.

**OR**

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

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

**OR**

3. Portfolio Exhibit:
    - a. A physical representation of the career or business product such as a model, prototype or display/portfolio that includes images of accomplished work.
    - b. Written explanation that demonstrates knowledge of the related career or business field, potential careers, and the appropriate requirements for achievement in that field.
- D. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 3311. UNIT 4 – Home Design & Décor – Senior**  
Exhibit requirements the same as for CLASS 3310.

## DEPARTMENT M

### ANIMAL SCIENCE

#### DEPT. M – VETERINARY SCIENCE

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

**CLASS 101. UNIT 1 – From Airedales to Zebras – Junior**  
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 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 102. UNIT 1 – From Airedales to Zebras – Intermediate**  
Exhibit requirements the same as for CLASS 101.

**CLASS 103. UNIT 1 – From Airedales to Zebras – Senior**  
Exhibit requirements the same as for CLASS 101.

**CLASS 104. UNIT 2 – All Systems Go – Junior**  
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 105. UNIT 2 – All Systems Go – Intermediate**  
Exhibit requirements the same as for CLASS 104.

**CLASS 106. UNIT 2 – All Systems Go – Senior**  
Exhibit requirements the same as for CLASS 104.

**CLASS 107. UNIT 3 – On the Cutting Edge – Junior**

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 108. UNIT 3 – On the Cutting Edge – Intermediate**

Exhibit requirements the same as for CLASS 107.

**CLASS 109. UNIT 3 – On the Cutting Edge – Senior**

Exhibit requirements the same as for CLASS 107.

**DEPT. M – HORSELESS HORSE**

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

**CLASS 201. UNIT 1 – Making Horse Sense – Junior**

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 202. UNIT 1 – Making Horse Sense – Intermediate**

Exhibit requirements the same as for CLASS 201.

**CLASS 203. UNIT 1 – Making Horse Sense – Senior**

Exhibit requirements the same as for CLASS 201.

**CLASS 204. UNIT 2 – Hooves, Health & Horsemanship – Junior**

Exhibit requirements the same as for CLASS 201.

**CLASS 205. UNIT 2 – Hooves, Health & Horsemanship – Intermediate**

Exhibit requirements the same as for CLASS 201.

**CLASS 206. UNIT 2 – Hooves, Health & Horsemanship – Senior**

Exhibit requirements the same as for CLASS 201.

**CLASS 207. UNIT 3 – Breaking Ground – Junior**

Exhibit requirements the same as for CLASS 201.

**CLASS 208. UNIT 3 – Breaking Ground – Intermediate**

Exhibit requirements the same as for CLASS 201.

**CLASS 209. UNIT 3 – Breaking Ground – Senior**

Exhibit requirements the same as for CLASS 201.

**CLASS 210. UNIT 4 – Brushing Up On Horses – Junior**

Exhibit requirements the same as for CLASS 201.

**CLASS 211. UNIT 4 – Brushing Up On Horses – Intermediate**

Exhibit requirements the same as for CLASS 201.

**CLASS 212. UNIT 4 – Brushing Up On Horses – Senior**

Exhibit requirements the same as for CLASS 201.

**DEPT. M – CATS**

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

**CLASS 301. UNIT 1 – Purr-fect Pals – Junior**

Exhibit will consist of the following:

- A. A completed Cat Display e-Record presented in a sturdy binder/notebook.
- B. A display board illustrating a topic investigated during the project year. The standardized display board size of 4' x 3' is to be used 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 exhibit (75%).

**CLASS 302. UNIT 1 – Purr-fect Pals – Intermediate**

Exhibit requirements the same as for CLASS 301.

**CLASS 303. UNIT 1 – Purr-fect Pals – Senior**

Exhibit requirements the same as for CLASS 301.

**CLASS 304. UNIT 2 – Climbing Up – Junior**

Exhibit requirements the same as for CLASS 301.

**CLASS 305. UNIT 2 – Climbing Up – Intermediate**

Exhibit requirements the same as for CLASS 301.

**CLASS 306. UNIT 2 – Climbing Up – Senior**

Exhibit requirements the same as for CLASS 301.

**CLASS 307. UNIT 3 – Leaping Forward – Junior**

Exhibit requirements the same as for CLASS 301.

**CLASS 308. UNIT 3 – Leaping Forward – Intermediate**  
Exhibit requirements the same as for CLASS 301.

**CLASS 309. UNIT 3 – Leaping Forward – Senior**  
Exhibit requirements the same as for CLASS 301.

## MECHANICAL SCIENCES

### DEPT. M – METALWORKING (Welding)

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

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

For ideas, tips, and answers to frequently asked question, please see the Metalwork Tip Sheet at <https://co4h.colostate.edu/projects/pages/Metalworking-PT.pdf>

**CLASS 501. UNIT 1 – Intro to Metalwork – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. Exhibit the following:
  1. One each: Lap, Butt and 90 degree T joints. Requirements:
    - a. Each joint will be made of two separate pieces, 3" to 4" long of 1" to 2" wide flat strap metal, between 1/8" (11 gauge) and 1/4" in thickness.
    - b. On clean steel with no paint, oil or other finishes
    - c. Single pass weld on one side of joint only
    - d. Name, county and class number on bottom of each completed joint in permanent ink or paint
  2. An exhibit up to 3' x 3' x 7', under 50 lbs.
    - a. No paint, oil or other finishes
    - b. No grinding or smoothing of welds
    - c. Metal only – no wood, plastic, or other building materials on the project to be judged
  3. Photos of the stand-alone project construction:
    - a. Four photos of the prep work (drafting plans, measuring, cutting, torching, bending, fitting, etc.)
    - b. Four photos of actual welds (individual welds)
    - c. Four photos of finish work (no painting, no oil, no seasoning, front view, side view, top view, best overall view)
- C. For an exhibit larger than 3' x 3' x 6' and over 50 lbs.:
  1. Four photos of the prep work (torching, bending, fitting, etc.)
  2. Four photos of actual welds (individual welds)
  3. Four photos of finish work (no painting, no oil, no seasoning)
  4. Four photos must be provided that include top view, side view, front view, and best view (best view is determined by member)
- D. Examples include napkin holder, coat rack, cap/hat hanger

- E. Project will be evaluated on the quality of the information completed in the e-Record and the quality of the exhibit.

**CLASS 502. UNIT 1 – Intro to Metalwork – Intermediate**  
Exhibit requirements the same as for CLASS 501.

**CLASS 503. UIT 1 – Intro to Metalwork – Senior**  
Exhibit requirements the same as for CLASS 501.

**CLASS 504. UNIT 2 – Metal Fabrication – Junior**  
Exhibit will consist of the following:

- A. A completed e-Record presented in a sturdy binder/notebook.
- B. Exhibit the following:
  1. An exhibit project up to 3' x 3' x 7' and under **100 lbs.**
    - a. Paint, oil, and other finishes are allowed
    - b. Grinding of welds is allowed
    - c. Wood, plastic, or other building materials are allowed, but must be less than 50% of the project materials
    - d. No moving parts – must be a static item (o hinges, wheels, slides, etc.)
    - e. No additional features (lights, electrical, water, etc.)
  2. Photos of the exhibit project construction (placed in e-Record)
    - a. Four photos of the prep work (drafting plans, measuring, cutting, torching, bending, fitting, etc.)
    - b. Four photos of actual welds (individual welds)
    - c. Four photos of finish work (no painting, no oil, no seasoning, front view, side view, top view, best overall view)
- C. Project will be evaluated on the quality of the information completed in the e-Record and the quality of the overall exhibit.

**CLASS 505. UNIT 2 – Metal Fabrication – Intermediate**  
Exhibit requirements the same as for CLASS 504.

**CLASS 506. UNIT 2 – Metal Fabrication – Senior**  
Exhibit requirements the same as for CLASS 504.

**CLASS 507. UNIT 3 – Advanced Metal Fabrication – Junior**  
Exhibit will consist of the following:

- A. A completed e-Record presented in a sturdy binder/notebook.
- B. Exhibit the following:
  1. An exhibit project up to 3' x 3' x 7' and under **150 lbs.**
    - a. Paint, oil and other finishes are allowed
    - b. Grinding of welds is allowed
    - c. Wood, plastic, or other building materials are allowed but must be less than 50% of the project materials
    - d. Moving parts allowed (hinges, wheels, slides, etc.)
    - e. Additional features allowed (lights, electrical, water, etc.)
  2. Photos of the exhibit project construction (placed in e-Record)
    - a. Four photos of the prep work (drafting plans, measuring, cutting, torching, bending, fitting, etc.)
    - b. Four photos of actual welds (individual welds)
    - c. Four photos of finish work (no painting, no oil, no seasoning, front view, side view, top view, best overall view)
- C. Project will be evaluated on the quality of the information completed in the e-Record and the quality of the overall exhibit.

**CLASS 508. UNIT 3 – Advanced Metal Fabrication – Intermediate**  
Exhibit requirements the same as for CLASS 507.

**CLASS 509. UNIT 3 – Advanced Metal Fabrication – Senior**  
Exhibit requirements the same as for CLASS 507.

**CLASS 510. UNIT 4 – Large Exhibit Metal Fabrication – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. Exhibit the following:
  - 1. A 4' wide by 3' tall display board of your completed project with the following minimum information:
    - a. Title or description of exhibit project
    - b. Left Side – Four photos minimum of the prep work (drafting plans, measuring, cutting, torching, bending, fitting, etc.)
    - c. Right Side – Four photos minimum of completed welds
      - i. No paint, oil or other finishes on welds
      - ii. No grinding or smoothing of welds
    - d. Center – Four photos minimum of finished project (front view, side view, top view, best overall view)
    - e. All project photos must be 5" x 7" minimum
    - f. Captions for each photo
    - g. Project requirements:
      - i. An exhibit project larger than 3' x 3' x 7' or over 150 lbs
      - ii. Paint, oil, and other finishes are allowed
      - iii. Grinding of welds is allowed
      - iv. Wood, plastic, or other building materials are allowed, but must be less than 50% of the project materials
      - v. Moving parts allowed (hinges, wheels, slides, etc.)
      - vi. Additional features allowed (lights, electrical, water, etc.)
- C. Project will be evaluated on the quality of the information completed in the e-Record, completeness of the display board, and the quality of the project as exhibited on the display board.

**CLASS 511. UNIT 4 – Large Exhibit Metal Fabrication – Intermediate**  
Exhibit requirements the same as for CLASS 510.

**CLASS 512. UNIT 4 – Large Exhibit Metal Fabrication – Senior**  
Exhibit requirements the same as for CLASS 510.

## DEPT. M – COMPUTER SCIENCE

### COMPUTER POWER UNLIMITED SERIES

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

- 1. 4-H members may stay in a unit for more than one year. The exhibit must be different each year.
- 2. Youth are only allowed to enter a display board exhibit or programming, or a stand-alone exhibit; but not all.

## DISCOVERING COMPUTER SCIENCE & PROGRAMMING THROUGH SCRATCH – LEVEL 1

### DISPLAY BOARD EXHIBITS

**CLASS 601. Computer Science Level 1 – Junior**  
Exhibit will consist of the following:

- A. One sturdy binder/notebook that contains the Discovering Computer Science & Programming Through Scratch manual and completed e-Record.
- B. A display board illustrating a topic learned as a part of the 4-H project. The standardized display board size of 4' x 3' is to be used 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 602. Computer Science Level 1 – Intermediate**  
Exhibit requirements the same as for CLASS 601.

**CLASS 603. Computer Science Level 1 – Senior**  
Exhibit requirements the same as for CLASS 601.

### BEGINNING PROGRAMMING EXHIBITS

**CLASS 604. Beginning Programming – Junior**  
Exhibit will consist of the following:

- A. One sturdy binder/notebook that contains the Discovering Computer Science & Programming Through Scratch manual and completed e-Record.
- B. A printed copy of a digital presentation is required to be placed in your e-Record. Electronic equipment will only be used during judging time and will not remain on display during the fair. Programs available online (such as Scratch) should include a link to the specific project you have created.

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

- 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 605. Beginning Programming – Intermediate**  
Exhibit requirements the same as for CLASS 604.

**CLASS 606. Beginning Programming – Senior**  
Exhibit requirements the same as for CLASS 604.

### STAND-ALONE EXHIBITS

**CLASS 607. Computer Science Level 1 – Junior**  
Exhibit will consist of the following:

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

- B. A stand-alone exhibit demonstrating a skill learned or an item developed. For example, a Makey Makey keyboard or a micro controller project. All stand-alone projects are subject to risks of display at county fair and state fair if eligible.
- 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 608. Computer Science Level 1 - Intermediate**  
Exhibit requirements the same as for CLASS 607.

**CLASS 609. Computer Science Level 1 – Senior**  
Exhibit requirements the same as for CLASS 607.

## **DISCOVERING COMPUTER SCIENCE & PROGRAMMING THROUGH SCRATCH – LEVEL 2**

### **DISPLAY BOARD EXHIBITS**

**CLASS 610. Computer Science Level 2 – Intermediate**  
Exhibit will consist of the following:

- A. One sturdy binder/notebook that contains the Discovering Computer Science & Programming Through Scratch manual and completed e-Record.
- B. A display board illustrating a topic learned as a part of the 4-H project. The standardized display board size of 4' x 3' is to be used 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 the information completed in the manual and e-Record (25%) and quality of exhibit (75%).

**CLASS 611. Computer Science Level 2 – Senior**  
Exhibit requirements the same as for CLASS 610.

### **INTERMEDIATE PROGRAMMING EXHIBITS**

**CLASS 612. Intermediate Programming – Intermediate**  
Exhibit will consist of the following:

- A. One sturdy binder/notebook that contains the Discovering Computer Science & Programming Through Scratch manual and completed e-Record.
- B. A printed copy of a digital presentation is required to be placed in your e-Record. Electronic equipment will only be used during judging time and will not remain on display during the fair. Programs available online (such as Scratch) should include a link to the specific project you have created.

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

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

**CLASS 613. Intermediate Programming – Senior**  
Exhibit requirements the same as for CLASS 612.

### **STAND-ALONE EXHIBITS**

**CLASS 614. Computer Science Level 2 – Intermediate**  
Exhibit will consist of the following:

- A. One sturdy binder/notebook that contains the Discovering Computer Science & Programming Through Scratch manual and completed e-Record.
- B. A stand-alone exhibit demonstrating a skill learned or an item developed. For example, a Makey Makey keyboard or a micro controller project. All stand-alone projects are subject to risks of display at county fair and state fair if eligible.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 615. Computer Science Level 2 – Senior**  
Exhibit requirements the same as for CLASS 614.

## **DISCOVERING COMPUTER SCIENCE & PROGRAMMING THROUGH SCRATCH – LEVEL 3**

### **DISPLAY BOARD EXHIBITS**

**CLASS 616. Computer Science Level 3 – Intermediate**  
Exhibit will consist of the following:

- A. One sturdy binder/notebook that contains the Discovering Computer Science & Programming Through Scratch manual and completed e-Record.
- B. A display board illustrating a topic learned as a part of the 4-H project. The standardized display board size of 4' x 3' is to be used with 4-H projects. No additional items may be included in front of display board. All items must be attached to display boards.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 617. Computer Science Level 3 – Senior**  
Exhibit requirements the same as for CLASS 616.

### **ADVANCED PROGRAMMING EXHIBITS**

**CLASS 618. Advanced Programming – Intermediate**  
Exhibit will consist of the following:

- A. One sturdy binder/notebook that contains the Discovering Computer Science & Programming Through Scratch manual and completed e-Record.
- B. A printed copy of a digital presentation is required to be placed in your e-Record. Electronic equipment will only be used during judging time and will not remain on display during the fair. Programs available online (such as Scratch) should include a link to the specific project you have created.

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



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

**CLASS 619. Advanced Programming – Senior**  
Exhibit requirements the same as for CLASS 618.

## STAND-ALONE PROJECTS

**CLASS 620. Computer Science Level 3 – Intermediate**  
Exhibit will consist of the following:

- A. One sturdy binder/notebook that contains the Discovering Computer Science & Programming Through Scratch manual and completed e-Record.
- B. A stand-alone exhibit demonstrating a skill learned or an item developed. For example, a Makey Makey keyboard or a micro controller project. All stand-alone projects are subject to risks of display at county fair and state fair if eligible.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 621. Computer Science Level 3 – Senior**  
Exhibit requirements the same as for CLASS 620.

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

**CLASS 622. Computers 21<sup>st</sup> Century – Display Board – Intermediate**  
Exhibit will consist of the following:

- A. One sturdy binder/notebook that contains the Discovering Computer Science & Programming Through Scratch manual and completed e-Record.
- B. A completed exhibit consist of ONE of the following:
  1. A display board illustrating a topic learned as a part of the 4-H project. The standardized display board size of 4' x 3' is to be used with 4-H projects. No additional items may be included in front of the display board. All items must be attached to the display board
  2. **Programming Exhibit** (printed copy of a digital presentation is required and placed in your e-Record.) Electronic equipment will only be used during judging time and will not remain on display during the fair. Programs available online (such as Scratch) should include a link to the specific project you have created.
 

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

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

**Advanced Programming** – create a program using a block for script within the very script that defines the block OR an original program using higher level programming language such as Python, Javascript, C++, etc..
  3. A stand-alone exhibit demonstrating a skill learned or an item developed. For example, a Makey Makey keyboard or a micro controller project. All stand-alone projects are subject to the risks of display at county fair if eligible.

- 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 623. Computers 21<sup>st</sup> Century – Senior**  
Exhibit requirements the same as for CLASS 622.

**CLASS 624. Computers 21<sup>st</sup> Century – Stand Alone – Intermediate**  
Exhibit requirements the same as for CLASS 622.

**CLASS 625. Computers 21<sup>st</sup> Century – Stand Alone – Senior**  
Exhibit requirements the same as for CLASS 622.

## DEPT. M – ELECTRICITY

**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 701. UNIT 1 – Magic of Electricity – Junior**  
Exhibit will consist of the following:

- A. Completed 4-H Electric project manual and (at least three required activities completed; at least four Optional activities – Brain Boosters completed; at least two leadership activities completed); and e-Record presented in a sturdy binder/notebook.
- B. One article or display board (not both) that you have made as a part of this unit of study. (Example: homemade flashlight, simple switch, circuit with two batteries and one light bulb, compass, electromagnet, galvanometer, electric motor, etc.) The standardized display board size of 4' x 3' is to be used 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 702. UNIT 1 – Magic of Electricity – Intermediate**  
Exhibit requirements the same as for CLASS 701.

**CLASS 703. UNIT 1 – Magic of Electricity – Senior**  
Exhibit requirements the same as for CLASS 701.

**CLASS 704. UNIT 2 – Investigating Electricity – Junior**  
Exhibit will consist of the following:

- A. Completed 4-H Electric project manual and (at least three required activities completed; at least four Optional activities – Brain Boosters completed; at least two leadership activities completed); and e-Record presented in a sturdy binder/notebook.
- B. One article or display board (not both) that you have made as a part of this unit of study. (Example: circuit diagrams with explanation, series circuit, parallel circuit, momentary switch, three-way switch, soldered connection, rocket launcher, burglar alarm, etc.) The standardized display board size of 4' x 3' is to be used 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 705. UNIT 2 – Investigating Electricity – Intermediate**  
Exhibit requirements the same as for CLASS 704.

**CLASS 706. UNIT 2 – Investigating Electricity – Senior**  
Exhibit requirements the same as for CLASS 704.

**CLASS 707. UNIT 3 – Wired for Power – Junior**  
Exhibit will consist of the following:

- A. Completed 4-H Electric project manual (at least three required activities completed; at least four Optional activities – Brain Boosters completed; at least two leadership activities completed); and e-Record presented in a sturdy binder/notebook.
- B. One article or display board (not both) which you have made as a part of this unit of study. (Example: electrical tool and supply kit, display of symbols on wires and cables and their meanings, display of light bulbs and the jobs they do best, display board on how to read an appliance name tag, chart showing the electrical usage of appliances, display board on how to replace a switch, etc.) The standardized display board size of 4' x 3' is to be used 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 708. UNIT 3 – Wired for Power – Intermediate**  
Exhibit requirements the same as for CLASS 707.

**CLASS 709. UNIT 3 – Wired for Power – Senior**  
Exhibit requirements the same as for CLASS 707.

**CLASS 710. UNIT 4 – Entering Electronics, Advanced – Senior**  
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 – 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 helicopter and glider recovery rocket kits.
5. Rockets are to be displayed and held vertically by a substantial rod or support no taller than the rocket on a stationary base appropriate to the size of the rocket not to exceed 12" x 12" x 1" thick. Only the rocket will be judged. Do not decorate the base. No triangular stands can be used for displaying the 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 at State Fair..
9. No launching pads should be used for displaying the rockets.
10. Launching your display rocket is not a requirement. If you are participating in Rocket Fly (at State Fair), make two rockets – one for exhibit and one to launch. At least one rocket should be launched as part of the project to complete the "Launch information" section of the supplemental sheet. If you are not able to launch due to a fire ban, etc. you must have an explanation on that sheet.
11. Any decals used must be on the rocket.

Note: Please read specific rules for your Unit.

**CLASS 801. UNIT 1 – Introduction to Rocketry – Junior – 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 a rocket was launched, provide the following information on the Model Rocket page.

1. Number of times successfully launched; kind of launch pad used.
  2. Kind of electrical system used.
  3. Tracking method used.
  4. Observer's distance from rocket; observations of rocket stability, flight path, etc.; any special problems before, during and after launching.
  5. What did you do to overcome the problems you encountered?
- D. One rocket personally built or other display related to work done at Skill Level 1 (Estes Intermediate) or that meets at maximum these criteria:
1. Three to four balsa wood fins
  2. Parachute recovery system
  3. Single-stage motor (A3 to B6 first flight recommended motor size)
- E. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 802. UNIT 1 – Introduction to Rocketry – Intermediate – Balsa Fins Only**

Exhibit requirements the same as for CLASS 801.

**CLASS 803. UNIT 1 – Introduction to Rocketry – Senior – Balsa Fins Only**

Exhibit requirements the same as for CLASS 801.

**CLASS 804. UNIT 2 – Basic Model Rocketry – Junior – 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 a rocket was launched, provide the following information on the Model Rocket page:
  1. Number of times successfully launched; kind of launch pad used.
  2. Kind of electrical system used.
  3. Tracking method used.
  4. Observer's distance from rocket; observations of rocket stability, flight path, etc.; any special problems before, during and after launching.
  5. What did you do to overcome the problems you encountered?
- D. One rocket personally built in unit or display related to work done at Skill Level II (Estes Advanced) or that meets at maximum these criteria:
  1. Three to eight balsa wood fins, including canard fins
  2. Parachute recovery system
  3. Single-stage motor (A3 up to C11 first flight recommended motor size)
- E. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 805. UNIT 2 – Basic Model Rocketry – Intermediate – Balsa Fins Only**

Exhibit requirements the same as for CLASS 804.

**CLASS 806. UNIT 2 – Basic Model Rocketry – Senior – Balsa Fins Only**

Exhibit requirements the same as for CLASS 804.

**CLASS 807. UNIT 3 – Intermediate Model Rocketry – Junior - 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 a rocket was launched, provide the following information on the Model Rocket page:
  1. Number of times successfully launched; kind of launch pad used.
  2. Kind of electrical system used.
  3. Tracking method used.
  4. Observer's distance from rocket; observations of rocket stability, flight path, etc.; any special problems before, during and after launching.
  5. What did you do to overcome the problems you encountered?
- D. One rocket personally built in unit or display related to work done at Skill Level III (Estes Expert) or that meets at maximum these criteria:
  1. Any combination of balsa wood fins
  2. Parachute recovery system
  3. Single-stage motor (B6 up to E12 first flight recommended motor size)
- E. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 808. UNIT 3 – Intermediate Model Rocketry – Intermediate – Balsa Fins Only**

Exhibit requirements the same as for CLASS 807.

**CLASS 809. UNIT 3 – Intermediate Model Rocketry – Senior – Balsa Fins Only**

Exhibit requirements the same as for CLASS 807.

**CLASS 810. UNIT 4 – Advanced Model Rocketry – Junior – 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 a rocket was launched, provide the following information on the Model Rocket page:
1. Number of times successfully launched; kind of launch pad used.
  2. Kind of electrical system used.
  3. Tracking method used.
  4. Observer's distance from rocket; altitude achieved and how it was determined; any special problems before, during and after launching.
  5. What did you do to overcome the problems you encountered?
- D. One rocket personally built in unit or display related to work done from Skill Level I up to Skill Level IV (Estes Master) or that meets at maximum these criteria:
1. Any combination of balsa wood or plastic fins
  2. Parachute, helicopter, or glider recovery system
  3. Single-stage motor (A3 up to E12 first flight recommended motor size)
- E. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 811. UNIT 4 – Advanced Model Rocketry – Intermediate – Finished Fins of Any Type**

Exhibit requirements the same as for CLASS 810.

**CLASS 812. UNIT 4 – Advanced Model Rocketry – Senior – Finished Fins of Any Type**

Exhibit requirements the same as for CLASS 810.

**CLASS 813. UNIT 6 – Designer Model Rocketry – Junior – 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. If you used any software, such as an Excel spreadsheet, include that in your binder/notebook.
- B. If the rocket was launched, provide the following information on the Model 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; observations of rocket stability, flight patch, etc.; altitude achieved and how it was determined; any special problems before, during and after launching.
  5. What did you do to overcome the problems you encountered?
- C. One rocket personally designed, built (no kits or plans) 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 814. UNIT 6 – Designer Model Rocketry – Intermediate – Finished Fins of Any Type**

Exhibit requirements the same as for CLASS 813.

**CLASS 815. UNIT 6 – Designer Model Rocketry – Senior – Finished Fins of any Type**

Exhibit requirements the same as for CLASS 813.

**DEPT M – ROBOTICS & ENGINEERING**

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

1. In Junk Drawer Units 1-3, youth are only allowed to enter a display board exhibit OR a stand-alone exhibit, not both.
2. Robotics Platforms is just a fancy way to say robotics kits or robotics materials. Some types of commercial kits or platform include: Arduio Kits, EV3, Brushbot, Make, Hexy, Pushbutton Programmable Robotic Kit, Sparky, Cubelets, Robotic Arm Edge, Sparkfun Red Bot, WeDo, Multipl, NXT, TETRIX, CEENBot, and VEX.
3. Youth working individually on a robotics platform should enroll in the Platform Units. Youth should advance between Units 4-6 as they feel they are progressing in their project knowledge.
4. Youth working on a team on a robotics platform should enroll in the Team Robotics Unit. Despite being on a team, the fair exhibit is meant to be completed and entered by an individual member.
5. For more information about various team competitive robotics opportunities, see the list from the Colorado 4-H STEM website.

**JUNK DRAWER ROBOTICS & ENGINEERING**

**DISPLAY BOARD EXHIBITS**

**CLASS 901. UNIT 1 – Give Robotics a Hand – Junior**

Exhibit will consist of the following:

- A. A sturdy binder/notebook that contains the completed 4-H Robotics 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 902. UNIT 1 – Give Robotics a Hand - Intermediate**

Exhibit requirements the same as for CLASS 901.

**CLASS 903. UNIT 1 – Give Robotics a Hand – Senior**

Exhibit requirements the same as for CLASS 901.

**STAND-ALONE EXHIBITS**

**CLASS 904. Unit 1 – Give Robotics a Hand – Junior**

Exhibit will consist of the following:

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

- B. One article which you have made as a part of this unit of study (Example: marshmallow catapult, robotic arm, robotic gripper, et al.)
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 905. Unit 1 – Give Robotics a Hand - Intermediate**  
Exhibit requirements the same as for CLASS 904.

**CLASS 906. Unit 1 – Give Robotics a Hand – Senior**  
Exhibit requirements the same as for CLASS 904.

## DISPLAY BOARD EXHIBITS

**CLASS 907. UNIT 2 – Robots on the Move – Junior**  
Exhibit will consist of the following:

- A. A sturdy binder/notebook that contains the completed 4-H Robotics 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 908. UNIT 2 – Robots on the Move - Intermediate**  
Exhibit requirements the same as for CLASS 907.

**CLASS 909. UNIT 2 – Robots on the Move – Senior**  
Exhibit requirements the same as for CLASS 907.

## STAND-ALONE EXHIBITS

**CLASS 910. UNIT 2 – Robots on the Move – Junior**  
Exhibit will consist of the following:

- A. A sturdy binder/notebook that contains the completed 4-H Robotics e-Record.
- B. One article which you have made as a part of this unit of study. (Example: clip mobile, can-can robot, gear train, es-car-go, sea hunt, et al.)
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 911. UNIT 2 – Robots on the Move – Intermediate**  
Exhibit requirements the same as for CLASS 910.

**CLASS 912. UNIT 2 – Robots on the Move – Senior**  
Exhibit requirements the same as for CLASS 910.

## DISPLAY BOARD EXHIBITS

**CLASS 913. UNIT 3 – Mechatronics – Junior**  
Exhibit will consist of the following:

- A. A sturdy binder/notebook that contains the completed 4-H Robotics 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 914. UNIT 3 – Mechatronics – Intermediate**  
Exhibit requirements the same as for CLASS 913.

**CLASS 915. UNIT 3 – Mechatronics – Senior**  
Exhibit requirements the same as for CLASS 913.

## STAND-ALONE EXHIBITS

**CLASS 916. UNIT 3 – Mechatronics – Junior**  
Exhibit will consist of the following:

- A. A sturdy binder/notebook that contains the completed 4-H Robotics e-Record.
- B. One article which you have made as part of this unit of study. (Example: forward and reverse, wall follower, breadboard, say what? Build your robot, et al.)
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 917. UNIT 3 – Mechatronics – Intermediate**  
Exhibit requirements the same as for CLASS 916.

**CLASS 918. UNIT 3 – Mechatronics – Senior**  
Exhibit requirements the same as for CLASS 916.

## ROBOTICS PLATFORMS

### DISPLAY BOARD EXHIBITS

**CLASS 919. UNIT 4 – Level 1 – Junior**  
Exhibit will consist of the following:

- A. A sturdy binder/notebook that contains the completed 4-H Robotics 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 920. UNIT 4 – Level 1 – Intermediate**  
Exhibit requirements the same as for CLASS 919.

**CLASS 921. UNIT 4 – Level 1 – Senior**  
Exhibit requirements the same as for CLASS 919.

**CLASS 922. UNIT 5 – Level 2 – Junior**  
Exhibit will consist of the following:

- A. A sturdy binder/notebook that contains the completed 4-H Robotics 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 923. UNIT 5 – Level 2 – Intermediate**  
Exhibit requirements the same as for CLASS 922.

**CLASS 924. UNIT 5 – Level 2 – Senior**  
Exhibit requirements the same as for CLASS 922.

**CLASS 925. UNIT 6 – Level 3 – Junior**  
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 926. UNIT 6 – Level 3 – Intermediate**  
Exhibit requirements the same as for CLASS 925.

**CLASS 927. UNIT 6 – Level 3 – Senior**  
Exhibit requirements the same as for CLASS 925.

## **TEAM ROBOTICS**

**CLASS 928. UNIT 7 – Junior**  
Exhibit will consist of the following:

- A. A sturdy binder/notebook that contains the completed 4-H Robotics 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 929. UNIT 7 – Intermediate**  
Exhibit requirements the same as for CLASS 928.

**CLASS 930. UNIT 7 – Senior**  
Exhibit requirements the same as for CLASS 928.

## **DEPT. M – SMALL ENGINES**

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

**CLASS 1001. UNIT 1 – Crank it Up – Junior**  
Exhibit will consist of the following:

- A. A completed Small Engines manual (page 4 – at least 7 activities completed) and e-Record presented in a sturdy binder/notebook, including appropriate sections in the manual completed and other

items such as diagrams, drawings, photographs or attachments related to activities in the manual.

- B. 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 1002. UNIT 1 – Crank it Up – Intermediate**  
Exhibit requirements the same as for CLASS 1001.

**CLASS 1003. UNIT 1 – Crank it Up – Senior**  
Exhibit requirements the same as for CLASS 1001.

**CLASS 1004. UNIT 2 – Warm it Up – Junior**  
Exhibit will consist of the following:

- A. A completed Small Engines manual (page 4 – at least 7 activities completed) and e-Record presented in a sturdy binder/notebook, including appropriate sections in the manual completed and other items such as diagrams, drawings, photographs or attachments related to activities in the manual.
- B. 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 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 1005. UNIT 2 – Warm it Up – Intermediate**  
Exhibit requirements the same as for CLASS 1004.

**CLASS 1006. UNIT 2 – Warm it Up – Senior**  
Exhibit requirements the same as for CLASS 1004.

**CLASS 1007. Unit 3 – Tune it Up – Junior**  
Exhibit will consist of the following:

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

- B. 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 1008. UNIT 3 – Tune it Up – Intermediate**  
Exhibit requirements the same as for CLASS 1007.

**CLASS 1009. UNIT 3 – Tune it Up – Senior**  
Exhibit requirements the same as for CLASS 1007.

**CLASS 1010. UNIT 4 – Advanced Small Engines – Junior**  
**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 1011. UNIT 4 – Advanced Small Engines – Intermediate**  
Exhibit requirements the same as for CLASS 1010.

**CLASS 1012. UNIT 4 – Advanced Small Engines – Senior**  
Exhibit requirements the same as for CLASS 1010.

**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.

Projects for Units 1 and 2 will be a maximum size of 3' x 3' x 7' as they are meant to be used or displayed. The item must be stable when standing to be displayed.

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

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

**CLASS 2401. UNIT 1 – Measuring Up – Junior**

**NOTE: Use hand tools only. Articles made with tools other than hand tools will not be ranked in the top ten placings at State Fair. A hand miter box is allowed. Size restriction: 3' x 3' x 7'.**

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

**CLASS 2402. UNIT 1 – Measuring Up – Intermediate**  
Exhibit requirements the same as for CLASS 2401.

**CLASS 2403. UNIT 1 – Measuring Up – Senior**  
Exhibit requirements the same as for CLASS 2401.

## NATURAL RESOURCES

### DEPT. M – ENTOMOLOGY

#### **CLASS 2404. UNIT 2 – Making the Cut – Junior**

**NOTE:** The only tools allowed 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. Size restriction: 3' x 3' x 7'.

Exhibit requirements the same as for CLASS 2401.

#### **CLASS 2405. UNIT 2 – Making the Cut – Intermediate**

Exhibit requirements the same as for CLASS 2401.

#### **CLASS 2406. UNIT 2 – Making the Cut – Senior**

Exhibit requirements the same as for CLASS 2401.

#### **CLASS 2407. UNIT 3 – Nailing it Together – Junior**

**NOTE:** The only tools allowed are: hand tools, power hand drill, miter box, jigsaw, scroll saw, power sanders, table saw, drill press, band saw, rabbit 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 CLASS 2401.

#### **CLASS 2408. UNIT 3 – Nailing it Together – Intermediate**

Exhibit requirements the same as for CLASS 2401.

#### **CLASS 2409. UNIT 3 – Nailing it Together – Senior**

Exhibit requirements the same as for CLASS 2401.

#### **CLASS 2410. UNIT 4 – Finishing Up – Junior**

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

Exhibit requirements the same as for CLASS 2401.

#### **CLASS 2411. UNIT 4 – Finishing Up – intermediate**

Exhibit requirements the same as for CLASS 2401.

#### **CLASS 2412. UNIT 4 – Finishing Up – Senior**

Exhibit requirements the same as for CLASS 2401.

**Note: Please read 4-H Project Exhibit Rules on page 1. Entomology Workbook required. Entomology is the study of insects. Insects have three body regions, three pairs of legs and one pair of antennae, wings in adult stage, typically two pair.**

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

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

1. New this year, Level 1 has a display board option as well as an insect collection option, since the Level 1 manual does not cover how to make an insect collection.
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 3 ½"Deep

18"W x 24"L x 3 ½"Deep

Glass tops on entomology display cases should slide to the top or side of the case to prevent them from slipping and breaking when placed on display.

Commercially available display cases are acceptable.

Regular insect pins are required in all units.

On Units 2 through 5, the insect display must include date and location where insects were collected. Place this information on labels attached to insect pins.

### DISPLAY BOARD EXHIBITS

#### **CLASS 1101. UNIT 1 – Learning About Insects – Junior**

Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. Do a minimum of 12 activities of any combination from the manual.
- B. A display board representing some phase of your project work. This could include a chart or special equipment used or developed for the activities in the workbook. The standardized display board size of 4' x 3' is to be used with 4-H projects. No additional items may be included in front of the display board.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and the quality of the exhibit (75%).

#### **CLASS 1102. UNIT 1 – Learning About Insects – Intermediate**

Exhibit requirements the same as for CLASS 1101.



**CLASS 1103. UNIT 1 – Learning About Insects – Senior**  
Exhibit requirements the same as for CLASS 1101.

## **INSECT COLLECTION CLASSES**

**CLASS 1104. LEVEL 1 – UNIT 2 – Beginner Collection – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. Do a minimum of 12 activities of any combination from the manual.
- B. Insect collections – display no fewer than 25 and no more than 75 adult insects in at least 6 different orders. 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 1105. LEVEL 1 – UNIT 2 – Beginner Collection – Intermediate**  
Exhibit requirements the same as for CLASS 1104.

**CLASS 1106. LEVEL 1 – UNIT 2 – Beginner Collection – Senior**  
Exhibit requirements the same as for CLASS 1104.

**CLASS 1107. LEVEL 2 – UNIT 3 – Be an Entomologist – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. Do a minimum of 12 activities of any combination from the manual.
- B. Insect collection – display no fewer than 75 and no more than 150 insects including a representative from at least 9 different orders, correctly labeled (one order developed in water and include one incomplete metamorphosis (egg-nymph-adult), correctly labeled). Standard-sized display boxes with removable glass covers are required. 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 1108. LEVEL 2 – UNIT 3 – Be an Entomologist – Intermediate**  
Exhibit requirements the same as for CLASS 1107.

**CLASS 1109. LEVEL 2 – UNIT 3 – Insect Habits & Controls – Senior**  
Exhibit requirements the same as for CLASS 1107.

**CLASS 1110. LEVEL 3 – UNIT 4 – Insect Investigation– Junior**  
Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. Do a minimum of 12 activities of any combination from the manual.
- B. Insect collection – display no fewer than 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 1111. LEVEL 3 – UNIT 4 – Insect Investigations – Intermediate**  
Exhibit requirements the same as for CLASS 1110.

**CLASS 1112. LEVEL 3 – UNIT 4 – Insect Investigations – Senior**  
Exhibit requirements the same as for CLASS 1110.

**CLASS 1113. LEVEL 3 – UNIT 5 – Immature Insects & Life Stages – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record and Entomology workbook presented in a sturdy binder/notebook. Do a minimum of 12 activities of any combination from the manual.
- B. Display your regular insect collection.
- C. Display a collection of at least 10 larvae or immature insects in vials of rubbing alcohol or similar preservation.
- 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 1114. LEVEL 3 – UNIT 5 – Immature Insects & Life Stages – Intermediate**  
Exhibit requirements the same as for CLASS 1113.

**CLASS 1115. LEVEL 3 – UNIT 5 – Immature Insects & Life Stages – Senior**  
Exhibit requirements the same as for CLASS 1113.

**CLASS 1116. ANY LEVEL – UNIT 6 – Exploring with Insects, Advanced – Junior**  
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 1117. UNIT 6 – Exploring with Insects, Advanced – Intermediate**  
Exhibit requirements the same as for CLASS 1116.

**CLASS 1118. UNIT 6 – Exploring with Insects, Advanced – Senior**  
Exhibit requirements the same as for CLASS 1116.

## 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 401. UNIT 1 – See Them Sprout – Junior**

Exhibit will consist of the following:

- A. A gardening project manual and e-Record presented in a sturdy binder/notebook including these pages of the manual you are using this year:

**See Them Sprout:**

- Complete a minimum of four activities each year Year 1: pages 4-21; Year 2: pages 22-37).
- Complete pages 43 and 44 in Year 1 and pages 43 and 45 in Year 2.

**Let's Get Growing:**

- Complete a minimum of four activities each year (Year 1: pages 4-21; Year 2: pages 22-37).
- Complete pages 45 and 46 in Year 1 and 45 and 47 in Year 2.

**Take Your Pick:**

- Complete a minimum of four activities each year (Year 1: pages 4-21; Year 2: pages 22-40; Year 3: pages 41-54).
- Complete pages 63 and 64 in Year 1, pages 63 and 65 in Year 2, and pages 63 and 66 in Year 3.

**Growing Profits:**

- Complete a minimum of four activities each year (Year 1; pages 4-19; Year 2: pages 20-39; Year 3: pages 40-56).
- Complete pages 65 and 66 in Year 1, pages 65 and 67 in Year 2, and pages 65 and 68 in Year 3.

- 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 402. UNIT 1 – See Them Sprout – Intermediate**

Exhibit requirements the same as for CLASS 401.

**CLASS 403. UNIT 1 – See Them Sprout – Senior**

Exhibit requirements the same as for CLASS 401.

**CLASS 404. UNIT 2 – Let's Get Growing! – Junior**

Exhibit requirements the same as for CLASS 401.

**CLASS 405. UNIT 2 – Let's Get Growing – Intermediate**

Exhibit requirements the same as for CLASS 401.

**CLASS 406. UNIT 2 – Let's Get Growing – Senior**

Exhibit requirements the same as for CLASS 401.

**CLASS 407. UNIT 3 – Take Your Pick – Junior**

Exhibit requirements the same as for CLASS 401.

**CLASS 408. UNIT 3 – Take Your Pick – Intermediate**

Exhibit requirements the same as for CLASS 401.

**CLASS 409. UNIT 3 – Take Your Pick – Senior**

Exhibit requirements the same as for CLASS 401.

**CLASS 410. UNIT 4 – Growing Profits, Advanced – Senior**

Exhibit requirements the same as for CLASS 401.

## 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 of the manual.

**CLASS 1201. UNIT 1 – Hiking Trails – Junior**

Exhibit will consist of the following:

- A. A completed manual (at least 6 chapter activities and at least 6 Reach the Pike activities completed each year) 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 1202. UNIT 1 – Hiking Trails – Intermediate**

Exhibit requirements the same as for CLASS 1201.

**CLASS 1203. UNIT 1 – Hiking Trails – Senior**

Exhibit requirements the same as for CLASS 1201.

**CLASS 1204. UNIT 2 – Camping Adventures – Junior**

Exhibit requirements the same as for CLASS 1201.

**CLASS 1205. UNIT 2 – Camping Adventures – Intermediate**

Exhibit requirements the same as for CLASS 1201.

**CLASS 1206. UNIT 2 – Camping Adventures – Senior**

Exhibit requirements the same as for CLASS 1201.

**CLASS 1207. UNIT 3 – Backpacking Expeditions – Junior**

Exhibit requirements the same as for CLASS 1201.

**CLASS 1208. UNIT 3 – Backpacking Expeditions – Intermediate**  
Exhibit requirements the same as for CLASS 1201.

**CLASS 1209. UNIT 3 – Backpacking Expeditions – Senior**  
Exhibit requirements the same as for CLASS 1201.

## 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.

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

**CLASS 1401. UNIT 1 – Take the Bait – Junior**  
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 1402. UNIT 1 – Take the Bait – Intermediate**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1403. UNIT 1 – Take the Bait – Senior**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1404. UNIT 2 – Reel in the Fun – Junior**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1405. UNIT 2 – Reel in the Fun – Intermediate**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1406. UNIT 2 – Reel in the Fun – Senior**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1407. UNIT 3 – Cast into the Future – Junior**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1408. UNIT 3 – Cast into the Future – Intermediate**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1409. UNIT 3 – Cast into the Future – Senior**  
Exhibit requirements the same as for CLASS 1401.

**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 1410. UNIT 1 – Stand Alone – Junior**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1411. UNIT 1 – Stand Alone – Intermediate**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1412. UNIT 1 – Stand Alone – Senior**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1413. UNIT 2 – Stand Alone – Junior**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1414. UNIT 2 – Stand Alone – Intermediate**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1415. UNIT 2 – Stand Alone – Senior**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1416. UNIT 3 – Stand Alone – Junior**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1417. UNIT 3 – Stand Alone – Intermediate**  
Exhibit requirements the same as for CLASS 1401.

**CLASS 1418. UNIT 3 – Stand Alone – Senior**  
Exhibit requirements the same as for CLASS 1401.

## 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 1501. UNIT 1 – The Worth of Wild Roots – Junior**  
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 1502. UNIT 1 – The Worth of Wild Roots – Intermediate**  
Exhibit requirements the same as for CLASS 1501.

**CLASS 1503. UNIT 1 – The Worth of Wild Roots – Senior**  
Exhibit requirements the same as for CLASS 1501.

**CLASS 1504. UNIT 2 – Living Wild in an Ecosystem – Junior**  
Exhibit requirements the same as for CLASS 1501.

**CLASS 1505. UNIT 2 – Living Wild in an Ecosystem – Intermediate**  
Exhibit requirements the same as for CLASS 1501.

**CLASS 1506. UNIT 2 – Living Wild in an Ecosystem – Senior**  
Exhibit requirements the same as for CLASS 1501.

**CLASS 1507. UNIT 3 – Managing in a World with You & Me – Junior**  
Exhibit requirements the same as for CLASS 1501.

**CLASS 1508. UNIT 3 – Managing in a World with You & Me – Intermediate**  
Exhibit requirements the same as for CLASS 1501.

**CLASS 1509. UNIT 3 – Managing in a World with You & Me – Senior**  
Exhibit requirements the same as for CLASS 1501.

**CLASS 1510. Stand-Alone Item (All Units) – Junior**  
Exhibit requirements the same as for CLASS 1501.

**CLASS 1511. Stand-Alone Item (All Units) – Intermediate**  
Exhibit requirements the same as for CLASS 1501.

**CLASS 1512. Stand-Alone Item (All Units) – Senior**  
Exhibit requirements the same as for CLASS 1501.

## DEPT. M – BEEKEEPING

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

**CLASS 1601. UNIT 1 – Beekeeping – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Unit 1 e-Record presented in a sturdy binder/notebook.
- B. Exhibit one of the following topics on a display board:
  1. Flowers used to make honey (display pressed flowers from 10 different Colorado plants that bees use for making honey)
  2. Uses of honey and beeswax, past and present
  3. Setting up a beehive
  4. Safe handling of bees
  5. History of beekeeping

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

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

**CLASS 1602. UNIT 1 – Beekeeping – Intermediate**  
Exhibit requirements the same as for CLASS 1601.

**CLASS 1603. UNIT 1 – Beekeeping – Senior**  
Exhibit requirements the same as for CLASS 1601.

**CLASS 1604. UNIT 2 – Beekeeping – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. Exhibit one of the following:  
Working with Honey Bees (present a topic from your manual to teach about working with honeybees (example: Regional Differences of Beekeeping). Use your knowledge and creativity to display this information on a display board.

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.

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

**CLASS 1605. UNIT 2 – Beekeeping – Intermediate**  
Exhibit requirements the same as for CLASS 1604.

**CLASS 1606. UNIT 2 – Beekeeping – Senior**  
Exhibit requirements the same as for CLASS 1604.

## UNIT 2 – STAND ALONE EXHIBITS

**CLASS 1607. UNIT 2 – Extracted Honey – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. Exhibit – Extracted honey (2 one-pound jars shown in glass or clear plastic with screw tops). Jars must be labeled with name, county, class, where honey was extracted, and date.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1608. UNIT 2 – Extracted Honey – Intermediate**  
Exhibit requirements the same as for CLASS 1607.

**CLASS 1609. UNIT 2 – Extracted Honey – Senior**  
Exhibit requirements the same as for CLASS 1607.

**CLASS 1610. UNIT 2 – Chunk Honey – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. Exhibit – Chunk Honey (comb in jar shown in 2 one-pound jars, wide mouth glass or clear plastic). Jars must be labeled with name, county, class, where honey was taken, and date.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1611. UNIT 2 – Chunk Honey – Intermediate**  
Exhibit requirements the same as for CLASS 1610.

**CLASS 1612. UNIT 2 – Chunk Honey – Senior**  
Exhibit requirements the same as for CLASS 1610.

**CLASS 1613. UNIT 2 – Cut Comb Honey – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. Exhibit – Cut Comb Honey (2 one-pound boxes, usually 4½" x 4½" in size). Boxes must be labeled with name, county, class, where honey was taken, and date.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1614. UNIT 2 – Cut Comb Honey – Intermediate**  
Exhibit requirements the same as for CLASS 1613.

**CLASS 1615. UNIT 2 – Cut Comb Honey – Senior**  
Exhibit requirements the same as for CLASS 1613.

**CLASS 1616. UNIT 2 – Wooden Ware – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. Exhibit – wooden ware – examples: tool box, hive components, etc. Item must be labeled with name, county, and class.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1617. UNIT 2 – Wooden Ware – Intermediate**  
Exhibit requirements the same as for CLASS 1616.

**CLASS 1618. UNIT 2 – Wooden Ware – Senior**  
Exhibit requirements the same as for CLASS 1616.

**CLASS 1619. UNIT 3 – Beekeeping – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. Exhibit: Prepare an educational display board or notebook about honeybees or beekeeping (example topics: diseases, seasonal colony management, etc.) Use your knowledge and creativity to display this information on a display board. 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.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1620. UNIT 3 – Beekeeping – Intermediate**  
Exhibit requirements the same as for CLASS 1619.

**CLASS 1621. UNIT 3 – Beekeeping – Senior**  
Exhibit requirements the same as for CLASS 1619.

## UNIT 3 – STAND ALONE EXHIBITS

**CLASS 1622. UNIT 3 – Extracted Honey - Junior**  
Exhibit will consist of the following:

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

- B. Exhibit – Extracted Honey – 2 one-pound jars (glass or clear plastic) shown as described in Beekeeping II. Jars must be labeled with name, county, class, where honey was taken, and date.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1623. UNIT 3 – Extracted Honey – Intermediate**  
Exhibit requirements the same as for CLASS 1622.

**CLASS 1624. UNIT 3 – Extracted Honey – Senior**  
Exhibit requirements the same as for CLASS 1622.

**CLASS 1625. UNIT 3 – Chunk Honey – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. Exhibit – Chunk Honey (comb in jar) – 2 one-pound jars (wide-mouth, glass or clear plastic) shown as described in Beekeeping II. Jars must be labeled with name, county, class, where honey was taken, and date.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1626. UNIT 3 – Chunk Honey – Intermediate**  
Exhibit requirements the same as for CLASS 1625.

**CLASS 1627. UNIT 3 – Chunk Honey – Senior**  
Exhibit requirements the same as for CLASS 1625.

**CLASS 1628. UNIT 3 – Cut-Comb Honey – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. Exhibit – Cut-Comb Honey – 2 one-pound boxes. Boxes are usually 4½” x 4½” (shown as described in Beekeeping II). Boxes must be labeled with name, county, class, where honey was taken, and date.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1629. UNIT 3 – Cut-Comb Honey – Intermediate**  
Exhibit requirements the same as for CLASS 1628.

**CLASS 1630. UNIT 3 – Cut-Comb Honey – Senior**  
Exhibit requirements the same as for CLASS 1628.

**CLASS 1631. UNIT 3 – Comb Honey – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. Exhibit – Comb Honey – 2 sections (honey built by bees in frames of wood commonly called “sections.”) Boxes are usually 4½” x 4½” in size (shown as described in Beekeeping II). Sections must be labeled with name, county, class, where taken, and date.

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

**CLASS 1632. UNIT 3 – Comb Honey – Intermediate**  
Exhibit requirements the same as for CLASS 1631.

**CLASS 1633. UNIT 3 – Comb Honey – Senior**  
Exhibit requirements the same as for CLASS 1631.

**CLASS 1634. UNIT 3 – Wooden Ware – Junior**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. Exhibit – wooden ware – examples; tool box, hive components, etc. Item must be labeled with name, county, class, description of item.
- C. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1635. UNIT 3 – Wooden Ware – Intermediate**  
Exhibit requirements the same as for CLASS 1634.

**CLASS 1636. UNIT 3 – Wooden Ware – Senior**  
Exhibit requirements the same as for CLASS 1634.

**ADVANCED BEEKEEPING**

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

**CLASS 1637. UNIT 4 – Advanced Beekeeping – Intermediate**  
Exhibit will consist of the following:

- A. Completed Beekeeping Units 2-4 e-Record presented in a sturdy binder/notebook.
- B. A detailed notebook describing your project including your goals, plans, accomplishments and your evaluation of results. You may use pictures or any records you have kept that provides evidence of your accomplishments. This notebook is your main project exhibit and will count for 75% of the scoring. If an item was made as part of your project, a sample may be displayed as further evidence of the quality of your project. Display must not require over a 1’ 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 exhibit (75%).

**CLASS 1638. UNIT 4 – Advanced Beekeeping – Senior**  
Exhibit requirements the same as for CLASS 1637.

# COMMUNICATION, ARTS, & LEISURE SCIENCES

## DEPT. M – CERAMICS

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

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 1701. UNIT 1 – Glazes – Junior**

**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 1702. UNIT 1 – Glazes – Intermediate**

Exhibit requirements the same as for CLASS 1701.

### **CLASS 1703. UNIT 1 – Glazes – Senior**

Exhibit requirements the same as for CLASS 1701.

### **CLASS 1704. UNIT 1 – Bisque Option – Junior**

Exhibit requirements the same as for CLASS 1701.

### **CLASS 1705. UNIT 1 – Bisque Option – Intermediate**

Exhibit requirements the same as for CLASS 1701.

### **CLASS 1706. UNIT 1 – Bisque Option – Senior**

Exhibit requirements the same as for CLASS 1701.

### **CLASS 1707. UNIT 2 – Underglazes – Junior**

**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 of 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 1708. UNIT 2 – Underglazes – Intermediate**

Exhibit requirements the same as for CLASS 1707.

### **CLASS 1709. UNIT 2 – Underglazes – Senior**

Exhibit requirements the same as for CLASS 1707.

### **CLASS 1710. UNIT 2 – Bisque Option – Junior**

Exhibit requirements the same as for CLASS 1707.

### **CLASS 1711. UNIT 2 – Bisque Option – Intermediate**

Exhibit requirements the same as for CLASS 1707.

### **CLASS 1712. UNIT 2 – Bisque Option – Senior**

Exhibit requirements the same as for CLASS 1707.

### **CLASS 1713. UNIT 3 – Overglazes – Junior**

**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 of 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 1714. UNIT 3 – Overglazes – Intermediate**  
Exhibit requirements the same as for CLASS 1713.

**CLASS 1715. UNIT 3 – Overglazes – Senior**  
Exhibit requirements the same as for CLASS 1713.

**CLASS 1716. UNIT 4 – Unfired Finishes – Junior**  
**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 use.
- 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 1717. UNIT 4 – Unfired Finishes – Intermediate**  
Exhibit requirements the same as for CLASS 1716.

**CLASS 1718. UNIT 4 – Unfired Finishes – Senior**  
Exhibit requirements the same as for CLASS 1716.

**CLASS 1719. UNIT 4 – Bisque Option – Junior**  
Exhibit requirements the same as for CLASS 1716.

**CLASS 1720. UNIT 4 – Bisque Option – Intermediate**  
Exhibit requirements the same as for CLASS 1716.

**CLASS 1721. UNIT 4 – Bisque Option – Senior**  
Exhibit requirements the same as for CLASS 1716.

**CLASS 1722. UNIT 5 – Porcelain Dolls – Junior**  
**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 1723. UNIT 5 – Porcelain Dolls – Intermediate**  
Exhibit requirements the same as for CLASS 1722.

**CLASS 1724. UNIT 5 – Porcelain Dolls – Senior**  
Exhibit requirements the same as for CLASS 1722.

**CLASS 1725. Unit 6 – Hand-Constructed in Stoneware – Junior**  
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 1726. UNIT 6 – Hand-Constructed in Stoneware – Intermediate**

Exhibit requirements the same as for CLASS 1725.

**CLASS 1727. UNIT 6 – Hand-Constructed in Stoneware – Senior**

Exhibit requirements the same as for CLASS 1725.

**DEPT. M – GLOBAL CITIZENSHIP**

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

**CLASS 1801. UNIT 1 – Study of Another Country – Junior**

Exhibit will consist of the following:

- A. A sturdy three-ring notebook including a completed e-Record with the following additional information:
1. Create an information sheet that explains the selected study option and list the topic(s) studied (pages 6-9 in manual).
  2. Describe any demonstrations or public speaking experiences you had associated with global citizenship. Please be specific about audience, topic, visual aids, etc.
  3. Include a short story explaining what you learned from this study.
  4. 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 1802. UNIT 1 – Study of Another Country – Intermediate**

Exhibit requirements the same as for CLASS 1801.

**CLASS 1803. UNIT 1 – Study of Another Country – Senior**

Exhibit requirements the same as for CLASS 1801.

**CLASS 1804. UNIT 2 – Host a Delegate from Another Country – Junior**

Exhibit will consist of the following:

- A. A sturdy three-ring notebook including a completed e-Record with the following additional information:
1. Preparation for your Exchangee's Arrival – page 3 of manual.
  2. The Arrival page – 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 1805. UNIT 2 – Host a Delegate from Another Country – Intermediate**

Exhibit requirements the same as for CLASS 1804.

**CLASS 1806. UNIT 2 – Host a Delegate from Another Country – Senior**

Exhibit requirements the same as for CLASS 1804.

**YOUTH COUNSELOR FOR INBOUND INTERNATIONAL DELEGATION**

**CLASS 1807. UNIT 3 – Youth Counselor – Intermediate**

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-ring 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 1808. UNIT 3 – Youth Counselor – Senior**

Exhibit requirements the same as for CLASS 1807.

**CLASS 1809. UNIT 4 – Exchange Delegate to Another Country – Intermediate**

Exhibit will consist of the following:

- A. A sturdy three-ring 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 1810. Unit 4 – Exchange Delegate to Another Country – Senior**

Exhibit requirements the same as for CLASS 1809.

## DEPT. M – LEADERSHIP

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

### **CLASS 1901. UNIT 1 – Individual Skills You Never Outgrow – Junior**

Exhibit will consist of the following:

- A. A sturdy three-ring notebook including a completed e-Record with the following information:
  1. Complete at least one activity in the following sections of the manual and either place the pages or make copies of the pages and place in the e-Record:
    - a. Understanding self
    - b. Communications
    - c. Getting Along with Others
    - d. Making decisions
    - e. Plus, one of the exhibitor's choice from the manual
- B. A display board summarizing a skill area, activity, or leadership topic the member learned. The standardized display board size of 4' x 3' is to be used with 4-H projects. No additional items may be included in front of the display board.
- C. Project will be evaluated on the quality of the information completed in the e-Record (50%) and quality of the exhibit (50%).

### **CLASS 1902. UNIT 2 – Leadership Road Trip – Intermediate**

Exhibit will consist of the following:

- A. A sturdy three-ring notebook including a completed e-Record with the following information:
  1. Complete all 12 activities in the Leadership Road Trip manual, either include the manual or make copies of the pages and place in the e-Record.
  2. Summaries or description of at least two "Learning Experiences" OR "More Challenges" from the Leadership Road Trip manual.
- B. A display board summarizing a skill area, activity, or leadership topic the member learned. The standardized display board size of 4' x 3' is to be used with 4-H projects. No additional items may be included in front of the display board.

**OR**

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

- C. Project will be evaluated on the quality of the information completed in the e-record (50%) and quality of the exhibit (50%).

### **CLASS 1903. UNIT 2 – Leadership Road Trip – Senior**

Exhibit requirements the same as for CLASS 1903.

### **CLASS 1904. UNIT 3 – Put Leadership to Practice – Intermediate**

Exhibit will consist of the following:

- A. A sturdy three-ring notebook including a completed e-Record with the following additional information:
  1. Complete all 10 activities and Talking Over Activities in the Club Leadership I manual, either include the manual or make copies of the pages and place them in the e-Record.
  2. Summaries or description of at least two "Learning Experiences" OR "More Challenges" from the Club Leadership I manual.

3. Summary or description of at least one individualized goal to benefit your leadership skills.

- B. A display board summarizing a skill area, activity, or leadership topic the member learned. The standardized display board size of 4' x 3' is to be used with 4-H projects. No additional items may be included in front of the display board.

**OR**

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

- C. Project will be evaluated on the quality of the information completed in the e-Record (50%) and quality of the exhibit (50%).

### **CLASS 1905. UNIT 3 – Put Leadership to Practice – Senior**

Exhibit requirements the same as for CLASS 1905.

### **CLASS 1906. UNIT 4 – Refining Leadership Skills – Senior**

Exhibit will consist of the following:

- A. A sturdy three-ring notebook including a completed e-Record with the following additional information:
  1. Complete all 11 activities in the Club Leadership I manual, either include the manual or make copies of the pages and place in the e-Record.
  2. Summaries or description of at least two "Learning Experiences" OR "More Challenges" from the Club Leadership 2 manual.
  3. Summary or description of at least two individualized goals to benefit your leadership skills.
- B. A display board summarizing a skill area, activity, or leadership topic the member learned. The standardized display board size of 4' x 3' is to be used with 4-H projects. No additional items may be included in front of the display board.

**OR**

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

- C. Project will be evaluated on the quality of the information completed in the e-Record (50%) and quality of the exhibit (50%).

### **CLASS 1907. UNIT 5 – Community Service Project – Senior**

Exhibit will consist of the following:

- A. Sturdy three-ring notebook including a completed e-Record with the following additional information:
  1. Complete all 9 activities in the "My Hands for Larger Service" manual, either include the manual or make copies of the pages and place in the e-Record.
- B. A display board summarizing completed community service project. The standardized display board size of 4' x 3' is to be used with 4-H projects. No additional items may be included in front of the display board.

**OR**

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

- C. Project will be evaluated on the quality of the information completed in the e-Record (50%) and quality of the exhibit (50%).

## DEPT. M – LEATHERCRAFT

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

1. Put name, age, and county on back of exhibit board and on tag attached to individual exhibit articles.
2. Indicate in e-Record whether articles are made from kit or are self-cut and designed by the member.
3. A set means a number of things of the same kind that belong, or are used together, (i.e. six matching coasters, belt and buckle with matching designs, etc.).
4. **It is suggested (not required) to do Units 1-3 in order.** Units 4-10 may be taken in any order, and members in Units 4-10 may exhibit in more than one unit, provided the member is enrolled in and has completed the requirements of each of the units exhibited in. The primary skill being developed (the new technique you're learning) in the project will help determine which unit to exhibit in.
5. Definitions:
  - Background dyeing** – dyeing a solid color to the area tooled with the backgrounder.
  - Carving** – is where you cut into the leather (usually with a swivel knife) as part of the design you are tooling.
  - Clear finish** – is a top finish for tooling leather that has no color in it to protect leather. Some are waterproof, and some are not. For example, oil (no color added), leather finish spray or wipe (no color).
  - Color shading** – is using shades of color to make the design look for realistic. For example, use darker and lighter shades of a color on a tooled flower, animal or figure of any kind to make it look more realistic. Paints will be accepted.
  - Decorative swivel knife carving** – is carving a pattern that just uses the swivel knife to make a line drawing. Shading is done with more lines (hatching).
  - Figure carving** – is the carving of figures (i.e. persons, animals, objects, etc).
  - Lace** – is flat with a shiny side and a rough side.
  - Pictorial carving** – is the adding of background areas (i.e. trees, fence, mountains, grass, etc.) to the carving to make the picture complete. (Note: All pictures meant to be hung need to be complete with hardware to hang for display, whether framed or not.)
  - Sewing thread** – is round thread, waxed or not.
  - Solid color dyeing** – is dyeing the whole project the same color. For example, tool a belt a then dye it all black or make a book cover and dye it all one color.
  - Staining/Antiquing** – will add a little color and bring out and enhance cuts, tooling and stamping. Usually, it is a cream that is applied and wiped off.
  - Stamping/Tooling** – is where you use impressions made from tools to form a design.
  - Traditional carving** – includes floral scrolls, oak leaf, maple leaf type patterns.
  - Two tone finish** – is a technique where an area has a clear finish, which is give a two-tone effect after an additional antique finish is applied.

which items are attached by means of lacing or thread, so items are less likely to be misplaced during display.

1. One completed article or one set of articles on a single layer of leather. Examples: belt, bookmark, wrist bracelet, set of coasters.
  2. One completed article with at least two pieces of leather that are hand sewed together with lacing and/or thread stitching. Examples: coin purse, knife sheath/case, simple purse, wallet. Pre-cut or self-cut kids are allowed.
- C. Apply a **clear finish** to complete your article
- D. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of the exhibit (75%).

**Not Permitted: Carving, solid-color dyeing, color shading, Antiquing, or machine sewing.**

### **CLASS 2002. UNIT 1 – Intro to Leathercraft & Stamping – Intermediate**

Exhibit requirements the same as for CLASS 2001.

### **CLASS 2003. UNIT 1 – Intro to Leathercraft & Stamping – Senior**

Exhibit requirements the same as for CLASS 2001.

### **CLASS 2004. UNIT 2 – Beginning Leather Carving – Junior**

Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. Exhibit three samples and one article. **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:
    - Sample 1: Use of swivel knife and camouflage tool
    - Sample 2: Use of swivel knife, camouflage tool, pear shader, beveler and veiner.
    - Sample 3: Use of swivel knife, camouflage tool, pear shader, beveler and veiner, seeder, backgrounder, and decorative cuts. **Note: The labels should reflect the tools used for each sample.**
  2. One completed article using tools and skills studied in Unit 2 with **double-loop lacing**.
- C. Apply a clear leather finish to complete your article and sample 3 (optional for samples 1 and 2, so one could complete samples being exhibited later and then apply a finish.)
- D. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of the exhibit (75%).

**Not Permitted: Pictorial carving or figure carving (realistic animal and human figures), staining/antiquing, solid color dyeing, color shading, or machine stitching.**

### **CLASS 2005. UNIT 2 – Beginning Leather Carving – Intermediate**

Exhibit requirements the same as for CLASS 2004.

### **CLASS 2006. Unit 2 – Beginning Leather Carving – Senior**

Exhibit requirements the same as for CLASS 2004.

### **CLASS 2007. UNIT 3 – Intermediate Leather Carving – Junior**

Exhibit will consist of the following:

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

### **CLASS 2001. UNIT 1 – Intro to Leathercraft & Stamping – Junior**

Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. Exhibit two completed leather articles. **Place the exhibit items on a board 12" x 18" x 1/8" or 1/4" (preferably pegboard)** to

- B. One completed article, matching set, or picture/wall hanging that includes at least one of the major skills: **traditional carving**, inverted **carving**, or silhouette **carving** techniques. (Note: All pictures meant to be hung need to be complete with hardware to hang for display, whether framed or not.)
- C. **Clear finish, staining/antiquing, two tone finishes, and background dyeing** are allowed in Unit 3. No machine stitching allowed. Lacing and hand stitching are optional in this unit.
- D. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of the exhibit (75%).

**Not Permitted: Pictorial carving or figure carving (realistic animal and human figures), solid color dyeing, color shading, or machine stitching.**

**CLASS 2008. UNIT 3 – Intermediate Leather Carving – Intermediate**  
Exhibit requirements the same as for CLASS 2007.

**CLASS 2009. UNIT 3 – Intermediate Leather Carving – Senior**  
Exhibit requirements the same as for CLASS 2007.

**CLASS 2010. UNIT 4 – Advanced Stamping – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. One completed article, matching set, or picture/wall hanging using an advanced stamping design. Minimal carving is allowed for effect (i.e., use swivel knife to carve border, letters, brands, etc.). (Note: All pictures meant to be hung need to be complete with hardware to hang for display, whether framed or not.)
- C. Lacing, hand sewing, or machine sewing are optional in Unit 4. **Note: Any dyeing, color shading, antique/stain, and finishing techniques may be used in units 4-9.**
- D. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2011. UNIT 4 – Advanced Stamping – Intermediate**  
Exhibit requirements the same as for CLASS 2010.

**CLASS 2012. UNIT 4 – Advanced Stamping – Senior**  
Exhibit requirements the same as for CLASS 2010.

**CLASS 2013. UNIT 5 – Advanced Leather Carving – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. One completed article, matching set, or picture/wall hanging using advanced **traditional carving, figure carving, pictorial carving, decorative swivel knife carving**, embossing or filigree work. (Note: All pictures meant to be hung need to be complete with hardware to hang for display, whether framed or not.)
- C. Lacing, hand sewing, or machine sewing are optional in Unit 5. **Note: Any techniques of dyeing, color shading, stain/antiquing, and finishing may be used in units 4-9.**
- D. Project will be evaluated on the quality of information completed in the e-Record (25%).

**CLASS 2014. UNIT 5 – Advanced Leather Carving – Intermediate**  
Exhibit requirements the same as for CLASS 2013.

**CLASS 2015. UNIT 5 – Advanced Leather Carving – Senior**  
Exhibit requirements the same as for CLASS 2013.

**CLASS 2016. UNIT 6 – Sewing Leather – Junior**

Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. One completed article, matching set or garment made primarily by sewing leather. The focus of this unit is developing sewing construction skills. Judging will be based more on construction and sewing than on tooling.
- C. All lacing, hand sewing, or machine sewing techniques are acceptable in Unit 8. **Note: Any techniques of dyeing, color shading, stain/antiquing, and finishing may be used in units 4-9.**
- D. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2017. UNIT 6 – Sewing Leather – Intermediate**  
Exhibit requirements the same as for CLASS 2016.

**CLASS 2018. UNIT 6 – Sewing Leather – Senior**  
Exhibit requirements the same as for CLASS 2016.

**CLASS 2019. UNIT 7 – Braiding and Untooled Leather – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. One completed article, matching set or picture/wall hanging constructed with untooled leather using one or more of these leather art techniques: lacing, braiding, expanding, sculpting, or molding leather. (Minimal tooling for effect, such as names, initials, or brands will be accepted.)
- C. Lacing, hand sewing, or machine sewing are optional in Unit 7. **Note: Any techniques of dyeing, color shading, stain/antiquing, and finishing may be used in units 4-9.**
- D. 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 2020. UNIT 7 – Braiding and Untooled Leather – Intermediate**  
Exhibit requirements the same as for CLASS 2019.

**CLASS 2021. UNIT 7 – Braiding and Untooled Leather – Senior**  
Exhibit requirements the same as for CLASS 2019.

**CLASS 2022. UNIT 8 – Master Leathercraft – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. One completed article, matching set or picture/wall hanging using multiple leather working techniques.

**DEPT. M – PHOTOGRAPHY**

- C. Lacing, hand sewing, or machine sewing are optional in Unit 6.  
**Note: Any techniques of dyeing, color shading, stain/antiquing, and finishing may be used in units 4-9.**

**Some examples of using multiple leathercraft techniques on a project:**

1. An article with a stamping design that included an area of figure carving.
2. A carved picture with a stamped frame.
3. A floral carving with areas of geometric stamping.
4. A purse with basket stamping and an embossed horse head on the front flap.
5. A belt with silhouette carved horses and a name in the back with filigree.

The combinations of techniques are endless!

- D. 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 2023. UNIT 8 – Master Leathercraft – Intermediate**  
Exhibit requirements the same as for CLASS 2022.

**CLASS 2024. UNIT 8 – Master Leathercraft – Senior**  
Exhibit requirements the same as for CLASS 2022.

**CLASS 2025. UNIT 9 – Making & Rebuilding Saddles – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
- B. One completed saddle (a new build or rebuild of existing saddle). The leather may be either tooled or untooled and may be finished in any suitable fashion.
- C. All lacing, hand sewing, or machine sewing techniques are acceptable in Unit 9. **Note: Any techniques of dyeing, color shading, stain/antiquing, and finishing may be used in units 4-9.**
- D. 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 2026. UNIT 9 – Making & Rebuilding Saddles– Intermediate**  
Exhibit requirements the same as for CLASS 2025.

**CLASS 2027. UNIT 9 – Making & Rebuilding Saddles – Senior**  
Exhibit requirements the same as for CLASS 2025.

**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 unless requested for an activity in the unit..
2. In Levels 1-3 pictures can either be mounted on the journal pages or on card stock. Use the tips on page 73 of the manuals for mounting the pictures.
3. Display photo may be up to 5" x 7" in size. The photo must be mounted on a mat and suitable for hanging without additional frame. No other mounted materials (i.e., glass, wood, plastic, metal, etc.) can be used.
4. All photos in the notebook or manual should be 4" x 6" unless otherwise indicated in the manual. If the photos do not fit on the page, add a page for the photo.
5. **Display photo will be used to display at state fair so be careful when picking your best photo. Notebooks will not be displayed.**
6. Photo Journal Binder/notebook: 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.**
7. For photo exhibits in Units 1-3 follow the tips in the manuals. Photos can be mounted on cardstock. Label Format for Units 1-4:  
Camera used \_\_\_\_\_  
Activity # \_\_\_\_\_  
Photo # (left to right and top to bottom) \_\_\_\_\_  
Subject: \_\_\_\_\_  
Date photo taken \_\_\_\_\_
8. Label Format for UNIT 6:  
Photo # or Media Used \_\_\_\_\_  
Subject \_\_\_\_\_  
Date photo taken or Date of film \_\_\_\_\_  
Notes: \_\_\_\_\_
9. 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.

**MATTING PHOTOS GUIDELINES**

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

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

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

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

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

- Member name
- Member county
- Subject
- Date photo taken
- notes

**CLASS 2101. UNIT 1 – Photography Basics – First Year – Junior**

Exhibit will consist of the following:

A. Completed e-Record. Include the following in your story: what camera you used this year (Brand name, film size, etc.), how you stored your pictures and why you picked your Display Photo.

**(Also include photos of you working on your project in the e-Record photo page.)**

B. Completed Photo Journal/Binder. All photos must be labeled as follows:

1. Camera used
2. Activity #
3. Photo # (left to right and top to bottom)
4. Subject
5. Date photo taken

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

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

1. Activity #1 – 2 photos:
  - a. 1 zoomed in and 1 zoomed out
2. Activity #2 – 4 photos:
  - a. 2 landscape view – 1 photo not using a tripod and 1 photo using a tripod
  - b. 2 portrait view – 1 photo using a tripod and 1 photo not using tripod
3. Activity #3 – 6 photos:
  - a. 3 photos taken outdoors – 1 at noon, 1 at 4 p.m., and 1 at 8 p.m.
  - b. 3 photos taken indoors – 1 at 10 a.m., 1 at noon, and 1 at 2 p.m.

Note: The goal of this activity should be learning how to use light effectively to capture the subject using correct composition.

4. Activity #4 – 3 photos:
  - a. 1 photo with an outdoor shadow
  - b. 1 human shadow pose
  - c. 1 large shadow of choice
5. Activity #5 – 4 photos:
  - a. 4 photos using the same object of choice, captured with different directions of light; use flashlight or similar to create lighting
    - i. Object with front lighting
    - ii. Object with side lighting
    - iii. Object with back lighting
    - iv. Object with top lighting
6. Activity #6 – 2 photos:
  - a. Choose from options 1, 2 or 3 in the manual and post one photo with flash and one without
7. Activity #7 – 3 photos (can be same subject):
  - a. 1 landscape photo representing use of background
  - b. 1 landscape photo representing use of middle-ground
  - c. 1 landscape photo representing use of foreground
- Note: each photo should have an obvious focal point using the above to create a photo that compliments your subject.
8. Activity #8 – 3 photos:
  - a. 1 photo of friend with long or body shot

- b. 1 photo of friend with head shot
- c. 1 photo of object with close-up

Note: These photos should demonstrate the correct use of zoom or moving closer or further to the subject to achieve the correct composition.

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

**CLASS 2102. UNIT 1 – Photography Basics – First Year - Intermediate**

Exhibit requirements the same as for CLASS 2101.

**CLASS 2103. UNIT 1 – Photography Basics – First Year - Senior**

Exhibit requirements the same as for CLASS 2101.

**CLASS 2104. UNIT 2 – Photography Basics, Part 2 – Second Year – Junior**

Exhibit will consist of the following:

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

B. Completed Photo Journal/Binder. All photos must be labeled as follows:

1. Camera used
2. Activity #
3. Photo # (left to right & top to bottom)
4. Subject
5. Date photo taken

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

D. You will include the following photos (total of 31-33 photos) in your photo journal/binder. Photos may be mounted on cardstock with reference to activity.

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

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

2. Activity #10 – 4 photos:
  - a. 4 photos of same subject – 1 taken from each position
    - i. On stomach – aiming at ground level
    - ii. On back – aiming up
    - iii. Leaning over – aiming down
    - iv. Sideways – aiming directly ahead
3. Activity #11 – 4 photos:
  - a. Display 4 photos demonstrating your 4 favorite special effect techniques listed in the manual (choose from plant growing, balancing act, ceiling walking and "underwater")
4. Activity #12 – 2 photos:
  - a. 1 selfie
  - b. 1 selfie with 3 or more people (including yourself)
5. Activity #13 – 6 photos:
  - a. 2 action photos
  - b. 1 photo of a person
  - c. 1 photo of a place
  - d. 1 photo of a thing/still-life
  - e. 1 photo of an animal
6. Activity #14 – 3 to 5 photos:
  - a. 3 to 5 photos displayed in order to tell a story

Note: Plan out your story with a storyboard and include this in your exhibit.

7. Activity #15 – 4 photos:
    - a. 4 black & white photos, keeping in mind the rules of composition and lighting to produce creative photos
  8. Activity #16 – 4 photos:
    - a. Choose 4 of your favorite photos taken during your entire time in Photography Basics (including the First and Second Units). These can be photos you have used for exhibit or photos that you took while experimenting with different photography techniques. Using the format of Photo Scorecard on page 79, evaluate your own photography (with labels and points) and include your evaluation with your exhibit.
- E. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of the exhibit (75%).

**CLASS 2105. UNIT 2 – Photography Basics, Part 2 – Second Year – Intermediate**

Exhibit requirements the same as for CLASS 2104.

**CLASS 2106. UNIT 2 – Photography Basics, Part 2 – Second Year – Senior**

Exhibit requirements the same as for CLASS 2104..

**CLASS 2107. UNIT 3 – Next Level Photography – Junior**

Exhibit will consist of the following:

- A. Completed e-Record. Include the following in your story: what camera you used this year (Brand name, etc.), how you stored your pictures and why you picked your Display Photo pictures. **(Also include photos of you working on your project in the e-Record photo page.)**
- B. Completed Photo Journal/Binder. All photos must be labeled as follows:
  1. Camera used
  2. Activity #
  3. Photo # (left to right and top to bottom)
  4. Subject
  5. Date photo taken
- C. Best Photo – 5" x 7" matted and ready to hang (no glass or frame).
- D. You will include the following photos (total of 31-32 photos) in your photo journal/binder. Photos may be mounted on cardstock with reference to activity.
  1. Activity #1 – 2 photos:
    - a. 2 photos using different lenses for each photo
  2. Activity #2 – 2 photos:
    - a. 2 photos using (2) special effects from the suggestions on page 16, or special effect lenses
  3. Activity #3 – 4 photos:

Note: 4 photos, each of a different subject. Choose from the following: landscape, buildings, monuments, people, still life, close-ups for details

    - a. 2 photos demonstrating hard light
    - b. 2 photos demonstrating soft/diffused light
  4. Activity #4 – 2 photos:
    - a. Best reflection photos that have good composition
  5. Activity #5 – 2 photos without using flash to convey mood:
    - a. 1 photo using artificial light
    - b. 1 photo using natural light
  6. Activity #6 – 2 photos:
    - a. 1 photo demonstrating rule of thirds in landscape view
    - b. 1 photo demonstrating rule of thirds in portrait view
  7. Activity #7 – 2 photos:
    - a. 1 photo demonstrating golden triangle using transparent template

- b. 1 photo demonstrating golden rectangle using transparent template
  8. Activity #8 – 3 photos:
    - a. 3 photos of different subjects shooting from different angles and viewpoints
  9. Activity #9 – 2 photos:
    - a. 2 photos using composition elements and negative space in the photo to tell the story
  10. Activity #10 – 2 photos:
    - a. 2 candid photos
  11. Activity #11 – 1 photo:
    - a. 1 photo that fills the entire frame of the photo with a piece of the subject
  12. Activity #12 – 1 photo:
    - a. 1 panorama photo
  13. Activity #13 – 2 photos:
    - a. 1 photo that shows warm colors
    - b. 1 photo that shows cool colors
  14. Activity #14 – 4 photos:
    - a. Each photo should have a specific purpose behind it. Be sure to use the skills and techniques learned so far during your units to take quality photos for this activity.
- E. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2108. UNIT 3 – Next Level Photography – Intermediate**

Exhibit requirements the same as for CLASS 2107.

**CLASS 2109. UNIT 3 – Next Level Photography – Senior**

Exhibit requirements the same as for CLASS 2107.

**CLASS 2110. UNIT 4 – Mastering Photography – Junior**

Exhibit will consist of the following:

- A. Completed e-Record. Include the following in your story: what camera you used this year (Brand name, etc.), how you stored your pictures and why you picked your Display Photo pictures. **(Also include photos of you working on your project in the e-Record photo page.)**
- B. Completed Photo Journal/Binder. All photos must be labeled as follows:
  1. Camera used
  2. Activity #
  3. Photo # (left to right and top to bottom)
  4. Subject
  5. Date photo taken
- C. Favorite Photo – page 7 Mastering Photography Book 3
- D. You will include the following photos (total of 30 photos) in your photo journal/binder. Photos may be mounted on cardstock with reference to activity.
  1. Activity #1 – 2 photos:
    - a. 1 photo using 1/250 f8 of a bright scene
    - b. 1 photo using 1/250 f8 of a dark scene
  2. Activity #2 – 2 photos:
    - a. 1 photo using small f-stop
    - b. 1 photo using large f-stop
  3. Activity #3 – 2 photos:
    - a. 2 night photos using correct aperture
  4. Activity #4 – 1 photo:
    - a. 1 photo with the subject backlit with the main subject in the foreground
  5. Activity #5 – 3 photos:
    - a. Silhouette in nature
    - b. Silhouette taken indoors
    - c. A silhouette of your choice
  6. Activity #6 – 1 photo:

- a. 1 photo using either geometric shapes or interesting framing
- 7. Activity #7 – 2 photos:
  - a. 1 photo that represents harmony
  - b. 1 photo that represents discord
- 8. Activity #8 – 4 photos:
  - a. 4 still life photos that demonstrate similar themes, similar colors and different lighting
- 9. Activity #9 – 4 photos:
  - a. 4 portrait photos with different poses
- 10. Activity #10 – 4 photos of different subjects using macrophotography:
  - a. 1 photo representing symmetry/asymmetry
  - b. 1 photo representing pattern/texture
  - c. 1 photo representing shape/form
  - d. 1 photo representing visual rhythms
- 11. Activity #11 – 2 photos:
  - a. 2 action photos
- 12. Activity #12 – 2 photos:
  - a. 2 photos showing either astrophotography, underwater or infrared techniques
- 13. Activity #13 – 1 photo of joiner
  - a. Make a poster board joiner using a minimum of 40 photos.
- E. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2111. UNIT 4 – Mastering Photography – Intermediate**  
Exhibit requirements the same as for CLASS 2110.

**CLASS 2112. UNIT 4 – Mastering Photography – Senior**  
Exhibit requirements the same as for CLASS 2110.

**CLASS 2113. UNIT 5 – Low Light Photography – Junior**  
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 in your photo journal/binder::
  - 1. Camera used
  - 2. Exposure details
  - 3. Photo # (left to right and top to bottom)
  - 4. Subject
  - 5. Date photo taken
- C. Three 5" x 7" photos mounted on a mat. No other mounted materials (i.e. glass, wood, plastic, metal, etc.) can be used.
- D. These three photos can be taken from any of these categories: lightning, night-time, fireworks, 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 2114. Unit 5 – Low Light Photography – Intermediate**  
Exhibit requirements the same as for CLASS 2113.

**CLASS 2115. UNIT 5 – Low Light Photography – Senior**  
Exhibit requirements the same as for CLASs 2113.

**CLASS 2116. UNIT 6 – Advanced Photography – Junior**

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

Exhibit will consist of the following:

- A. Completed Photography Unit 6 e-Record with emphasis on accomplishments in your story. Include photos in the e-Record photo page of you working on your project.
- B. All photos must be labeled as follows in your photo journal/binder::
  - 1. Photo #
  - 2. Subject
  - 3. Date photo taken
  - 4. Notes
- C. Include the following information on the Advanced Photography Unit 6 Information page.
  - 1. Goals
  - 2. Plans
  - 3. Accomplishments
  - 4. Evaluation
- D. Photos should show your progress and be labeled as successful or not, plus reasons.
- E. Photo Journal/Binder/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 (50%) and quality of content in the notebook (50%).

**CLASS 2117. UNIT 6 – Advanced Photography – Intermediate**  
Exhibit requirements the same as for CLASS 2116.

**CLASS 2118. UNIT 6 – Advanced Photography – Senior**  
Exhibit requirements the same as for CLASS 2116.



## DEPT. M – 4-H FILMMAKING

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

Descriptions of Filmmaking Project Categories:

1. Animation – A film created by techniques that simulate movement from individual images.
2. Narrative – A film which tells a story that you created. It can be based on fact or fiction.
3. Documentary – A film which presents factual information about a person, event or process.
4. Promotional – This category is for films or public service announcement that are meant to publicize 4-H programs or some other cause that you are passionate about.
5. Voices of 4-H History – An historical perspective on 4-H. May be a narrative, documentary, animation, etc.
6. For all videos, a link must be provided to view the video.

### **CLASS 2201. 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. Make sure your video is in good taste (like G & PG ratings). Videos may be disqualified if deemed to have questionable content. 4-H Code of Conduct must be followed.
- D. **A link must be provided to view the video.** Members must supply the following information:
  1. Name
  2. County
  3. Title
  4. Class
  5. 4-H Age
  6. Short Description
- E. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

### **CLASS 2202. Animation – Intermediate**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2203. Animation – Senior**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2204. Narrative – Junior**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2205. Narrative – Intermediate**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2206. Narrative – Senior**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2207. Documentary – Junior**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2208. Documentary – Intermediate**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2209. Documentary – Senior**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2210. Promotional – Junior**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2211. Promotional – Intermediate**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2212. Promotional – Senior**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2213. Voices of 4-H History – Junior**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2214. Voices of 4-H History – Intermediate**

Exhibit requirements the same as for CLASS 2201.

### **CLASS 2215. Voices of 4-H History – Senior**

Exhibit requirements the same as for CLASS 2201.

## DEPT. M – SCRAPBOOKING

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

1. Youth may exhibit in one or all classes that they choose.
2. Members who are exhibiting in several classes 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. Story and pictures must be unit specific.
3. Members are required to learn/practice the number of techniques required for their age group on the Technique Reflection Page appropriate for their project in the e-Record. They are not required to use the techniques in their exhibit. However, evidence of having learned or practiced those techniques must be in the e-Record, either the piece itself, or a photo of it. The techniques learned and/or practiced should be documented on the Technique Reflection Page.

Examples of techniques that can be used may include:

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

### **CLASS 2301. Scrapbooking – One Page Layout - Junior**

Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
  1. All members will need to complete Technique Reflection Page in Record Book with designated number of techniques based on age. Be sure to explain what you learned, how you learned it, and if you included them in final project. Examples of techniques not used in final project are to be included in record book, either picture or actual technique.
  2. Required activities to include in record book: Jr – 1 or more; Int – 2 or more; Sr – 3 or more
- B. One page layout scrapbook page 8½" x 11" or 12" x 12".
  1. Page shall contain techniques from your technique list that you have chosen to use in your project. Create a page that is pleasing to the eye, items are not cluttered, and colors are appropriate to subject matter.
  2. Must be exhibited in a three-ring binder or scrapbook binder. Only submit the one page to be judged.
- C. Journaling and titling must be included on the one page.
- 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 2302. Scrapbooking – One Page Layout - Intermediate**  
Exhibit requirements the same as for CLASS 2301.

**CLASS 2303. Scrapbooking – One Page Layout – Senior**  
Exhibit requirements the same as for CLASS 2301.

**CLASS 2304. Scrapbooking – Two Page Layout – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
  1. All members will need to complete Technique Reflection Page in Record Book with designated number of techniques based on age. Be sure to explain what you learned, how you learned it, and if you included them in final project. Examples of techniques not used in final project are to be included in record book, either picture or actual technique.
  2. Required activities to include in record book: Jr – 1 or more; Int – 2 or more; Sr – 3 or more.
- B. Designated Two-page layout in 8½" x 11" or 12" x 12". Formatted to go together in a set (a two-page spread) that is coordinated by color and design which follows a theme with good logical order.
  1. Place two-page layout in appropriately sized binder in protective archival safe sleeves.
  2. Pages shall contain techniques from your technique list that you have chosen to use in your project. Create pages that are pleasing to the eye, items that are not cluttered, and colors are appropriate to subject matter.
  3. Must be exhibited in a three-ring binder or scrapbook binder. Only submit the two pages to be judged.
- C. Journaling and titling must be included on the two page layout.
- 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 2305. Scrapbooking – Two Page Layout – Intermediate**  
Exhibit requirements the same as for CLASS 2304.

**CLASS 2306. Scrapbooking – Two Page Layout – Senior**  
Exhibit requirements the same as for CLASS 2304.

**CLASS 2307. Scrapbooking Album – Junior**  
Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
  1. All members will need to complete Scrapbook Album Technique Reflection Page in Record Book with designated number of techniques based on age. Be sure to explain what you learned, how you learned it, and if you included them in final project. Examples of techniques not used in final project are to be included in record book, either picture or actual technique.
  2. Required activities to include in record book: Jr – 1 or more; Int – 2 or more; Sr – 3 or more.
- B. Completed album must contain eight (8) pages, designed on both front and back, for a total of sixteen (16) pages for Seniors; a total of six (6) pages, designed on both front and back, for a total of twelve (12) pages for Intermediates; and a total of four (4) pages, designed on both front and back, for a total of eight (8) pages for Juniors.

1. Pages must be exhibited between a sturdy front and back cover with each page in a protective archival safe sleeve. If memorabilia are included, they should be encased in a protective sleeve and must include additional techniques to be part of the page count. For example, if album contains fifteen pages of layouts and the sixteenth page is memorabilia, only with no technique, the album is missing a page and can be disqualified.
  2. Mark album pages to correspond with the technique reflection page.
  3. Album shall follow a theme or be in chronological order.
  4. All pages must include Journaling:
    - b. Correct spelling
    - c. Tell your story; who, what, when, where, why.
    - d. Title your page, or two page lay-out.
    - e. Album must contain at least one hand-written journal entry, all others may be typed.
  5. If adding pages to an album that has been judged, only submit the pages done within the current 4-H year. Do not include pages from past years. Document that this is an ongoing project. (i.e. second edition "Seattle" album exhibit in 2016)
- C. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2308. Scrapbooking Album – Intermediate**

Exhibit requirements the same as for CLASS 2307.

**CLASS 2309. Scrapbooking Album – Senior**

Exhibit requirements the same as for CLASS 2307.

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

**CLASS 2310. Scrapbooking – Tag Making – Juniors only**

Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
  1. All members will need to complete Technique Reflection Page in Record Book with designated number of techniques based on age. Be sure to explain what you learned, how you learned it, and if you included them in final project. Examples of techniques not used in final project are to be included in record book, either picture or actual technique.
  2. Required activities to include in record book: Jr – 1 or more.
- B. Set of 5 different hand-made tags following a theme with a maximum size of 3" x 5" per tag displayed on a 12" x 12" board.
  1. Tags shall contain techniques from your technique list that you have chosen to use in your project. Create tags that are pleasing to the eye, items are not cluttered, and colors are appropriate to subject matter.
  2. Tags should include a to/from or a greeting.
  3. Label tags on your board to correspond with technique Reflection Page.
- C. No commercial based tags can be used.
- D. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of the exhibit (75%).

**CLASS 2311. Scrapbooking Card Making – Intermediate**

Exhibit will consist of the following:

- A. Completed e-Record presented in a sturdy binder/notebook.
  1. All members will need to complete Technique Reflection Page in Record Book with designated number of techniques based on age. Be sure to explain what you learned, how you learned it, and if you included them in final project.

- Examples of techniques not used in final project are to be included in record book, either picture or actual technique.
2. Required activities to include in record book: Int – 2 or more; Sr – 3 or more.
- B. Set of 4 different hand-made cards following a theme with a maximum size of 4" x 6" per card displayed on a 12" x 12" board.
    1. Cards shall contain techniques from your technique list that you have chosen to use in your project. Create cards that are pleasing to the eye, items are not cluttered, and colors are appropriate to subject matter.
    2. Label cards on your board to correspond with Technique Reflection Page.
  - C. No commercial based cards can be used.
  - D. Project will be evaluated on the quality of the information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 2312. Scrapbooking Card Making – Senior**

Exhibit requirements the same as for CLASS 2311.

**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 2501. Portfolio Pathways – Paintings & Printing - Junior**

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" canvas and ready to hang (no frames should be used). Watercolor paintings should use small mat and be framed with glass. The framed watercolor should not be larger than 16" x 24".
- E. Graphic Design exhibit can be a logo or a self-portrait, a blog, advertisement, website, CD or DVD label, optical illusion, or a notebook of your graphic designs, etc.
- F. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**DEPT. M – PRIMARY 4-H**

**CLASS 2502. Portfolio Pathways – Paintings & Printing – Intermediate**

Exhibit requirements the same as for CLASS 2501.

**CLASS 2503. Portfolio Pathways – Paintings & Printing – Senior**

Exhibit requirements the same as for CLASS 2501.

**CLASS 2504. Portfolio Pathways – Graphic Design – Junior**

Exhibit requirements the same as for CLASS 2501.

**CLASS 2505. Portfolio Pathways – Graphic Design – Intermediate**

Exhibit requirements the same as for Class 2501.

**CLASS 2506. Portfolio Pathways – Graphic Design – Senior**

Exhibit requirements the same as for CLASS 2501.

**CLASS 2507. Sketchbook Crossroads – Drawing, Fiber & Sculpture – Junior**

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 2508. Sketchbook Crossroads – Drawing, Fiber and Sculpture – Intermediate**

Exhibit requirements the same as for CLASS 2507.

**CLASS 2509. Sketchbook Crossroads – Drawing, Fiber and Sculpture – Senior**

Exhibit requirements the same as for CLASS 2507.

**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. Dept. L Class 3000

**PRIMARY DECORATE YOUR DUDS**

See Department L in this syllabus for class number and exhibit requirements. Dept. L Class 2900

# DEPARTMENT N

## SHOOTING SPORTS

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

Project Exhibit Rules:

1. Be sure to include the log in your record book 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. No humanoid targets are allowed in any form, including within photographs or drawings.
4. No live ammo or projectiles including pellets, round balls, or arrows (with or without field points, broadheads), tipped arrows, knives, functional or nonfunctional firearms or bows will be allowed as an exhibit. Cardboard, paper cutouts or décor resembling firearms or bows are allowed for display purposes in the display or stand-alone classes.
5. Do not use the word "weapon" when creating your display. Make sure that there are no safety violations in your display. (Example: no earplugs, no safety glasses on a photo of a youth firing his/her gun.) Do not use pictures or primarily tactical in design firearms in your display. (i.e. AR platform or military type firearms).
6. The display board's topics should stay in close relationship with your discipline. Please do not use topics outside the scope of your 4-H project. (Example: .22 Rifle Project – should not use the topic of different types of military machine guns.)
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 or decorative items are allowed in the Stand-Alone classes.
8. All items in the Stand Alone & Decorative item classes will be a maximum size of 3' in width & in depth and 7' in height as the item is intended for display. The item must be stable when standing to be displayed within the 3' x 3' space. 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 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. No stand-alone items that are an exhibit at the time of the State Fair shooting contests will be allowed to be removed from the building to be used at the contests.
11. Label each item with name, address and county.
12. Items to be exhibited in the Decorative Item class are items that are used to decorate a room, building, etc. Be sure and look at the classes to determine where your exhibit item goes.

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.

### DISPLAY BOARD CLASSES

Exhibit will consist of the following:

- A. Completed e-Record for the discipline exhibited presented in a sturdy binder/notebook. The e-Record needs to contain the discipline log sheet for the discipline being exhibited
- B. A display board 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.
- C. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1301. Archery Display Board – Junior**

**CLASS 1302. Archery Display Board – Intermediate**

**CLASS 1303. Archery Display Board – Senior**

**CLASS 1304. Air Rifle Display Board – Junior**

**CLASS 1305. Air Rifle Display Board – Intermediate**

**CLASS 1306. Air Rifle Display Board – Senior**

**CLASS 1307. Shotgun Display Board – Junior**

**CLASS 1308. Shotgun Display Board – Intermediate**

**CLASS 1309. Shotgun Display Board – Senior**

**CLASS 1310. .22 Rifle Display Board – Junior**

**CLASS 1311. .22 Rifle Display Board – Intermediate**

**CLASS 1312. .22 Rifle Display Board – Senior**

**CLASS 1313. .22 Pistol Display Board – Junior**

**CLASS 1314. .22 Pistol Display Board – Intermediate**

**CLASS 1315. .22 Pistol Display Board – Senior**

**CLASS 1316. Muzzleloading Display Board – Junior**

**CLASS 1317. Muzzleloading Display Board – Intermediate**

**CLASS 1318.** Muzzleloading Display Board – Senior

**CLASS 1319.** Air Pistol Display Board – Junior

**CLASS 1320.** Air Pistol Display Board – Intermediate

**CLASS 1321.** Air Pistol Display Board – Senior

**CLASS 1322.** Western Heritage Display Board – Junior

**CLASS 1323.** Western Heritage Display Board – Intermediate

**CLASS 1324.** Western Heritage Display Board – Senior

**CLASS 1325.** Outdoor Skills Display Board – Junior

**CLASS 1326.** Outdoor Skills Display Board – Intermediate

**CLASS 1327.** Outdoor Skills Display Board – Senior

### **STAND ALONE CLASSES**

These classes are for stand-alone items only. No display boards or decorative items are allowed in the Stand-Alone Classes. Please check out Rules #7 & #8.

Exhibit will consist of the following:

- A. Completed e-Record for the discipline exhibited presented in a sturdy binder/notebook. The e-Record needs to contain the discipline log sheet for the discipline being exhibited.
- B. One article which you have made as a part of the project this year. (Examples: gun stocks, decoys, quivers, but not limited to just these.) No live ammo, broadheads (ex: arrowheads), knives, functional or nonfunctional firearms or bows will be allowed to be displayed. The display will be a maximum size of 3' wide x 3' deep x 7' in height and be stable as the item is intended for display.
- C. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1328.** Archery Stand-Alone – Junior

**CLASS 1329.** Archery Stand Alone – Intermediate

**CLASS 1330.** Archery Stand Alone – Senior

**CLASS 1331.** Air Rifle Stand Alone – Junior

**CLASS 1332.** Air Rifle Stand Alone – Intermediate

**CLASS 1333.** Air Rifle Stand Alone – Senior

**CLASS 1334.** Shotgun Stand Alone – Junior

**CLASS 1335.** Shotgun Stand Alone – Intermediate

**CLASS 1336.** Shotgun Stand Alone – Senior

**CLASS 1337.** Air Pistol Stand Alone – Junior

**CLASS 1338.** Air Pistol Stand Alone – Intermediate

**CLASS 1339.** Air Pistol Stand Alone – Senior

**CLASS 1340.** .22 Rifle Stand Alone – Junior

**CLASS 1341.** .22 Rifle Stand Alone – Intermediate

**CLASS 1342.** .22 Rifle Stand Alone – Senior

**CLASS 1343.** .22 Pistol Stand Alone – Junior

**CLASS 1344.** .22 Pistol Stand Alone – Intermediate

**CLASS 1345.** .22 Pistol Stand Alone – Senior

**CLASS 1346.** Western Heritage Stand Alone – Junior

**CLASS 1347.** Western Heritage Stand Alone – Intermediate

**CLASS 1348.** Western Heritage Stand Alone – Senior

**CLASS 1349.** Outdoor Skills Stand Alone – Junior

**CLASS 1350.** Outdoor Skills Stand Alone – Intermediate

**CLASS 1351.** Outdoor Skills Stand Alone – Senior

**CLASS 1352.** Muzzleloading Stand Alone – Junior

**CLASS 1353.** Muzzleloading Stand Alone – Intermediate

**CLASS 1354.** Muzzleloading Stand Alone – Senior

### **DECORATIVE ITEM CLASSES**

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

**CLASS 1355.** Shooting Sports Decorative Item – Junior  
Exhibit will consist of the following:

- A. Completed e-Record for the discipline exhibited presented in a sturdy binder/notebook. The e-Record needs to contain the discipline log sheet for the discipline being exhibited.
- B. One article which you have made as a part of the project this year. This item would be considered a decorative item (lamps, shelves, jewelry, artwork, etc.). The display will be a maximum of 3' wide by 3' deep and 7' in height; and must be stable as the item is intended for display.
- C. Project will be evaluated on the quality of information completed in the e-Record (25%) and quality of exhibit (75%).

**CLASS 1356. Shooting Sports Decorative Item – Intermediate**

Exhibit requirements the same as for CLASS 1355.

**CLASS 1357. Shooting Sports Decorative Item – Senior**

Exhibit requirements the same as for CLASS 1355.

## 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'

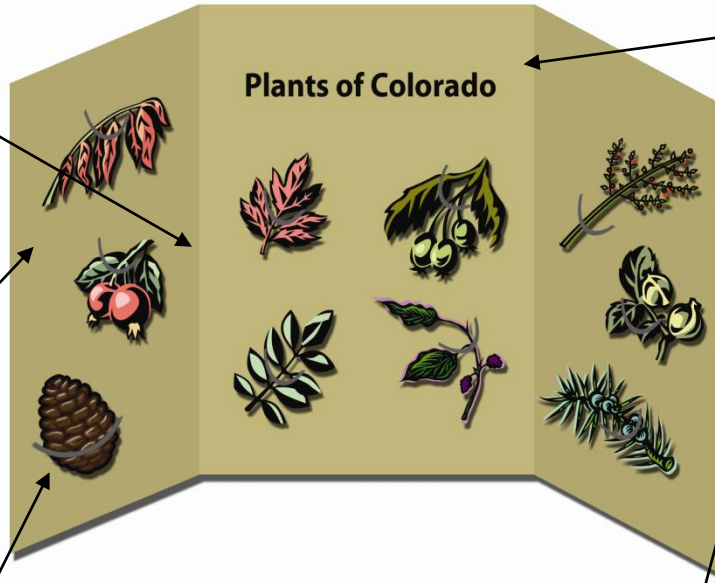
### SHAPE

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.

### Plants of Colorado



### TEXT

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

### ATTACHMENTS

When attaching pictures 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.

### 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!**