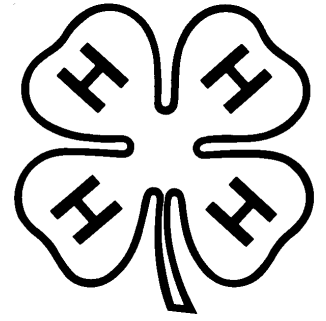# 2024-2025 SYLLABUS

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 26 – 1:30 - 2:30 p.m.

DEPT.	ENTRY	JUDGING
L – Clothing & Fashion Revue (including Primary Dec Your Duds)	*Tuesday, July 15 –* 9:00 a.m.	*Tuesday, July 15 –* 9:00 a.m.
M – General 4-H	*Friday, July 18 –* 5:00 – 7:00 p.m.	*Saturday, July 19 –* 9:00 a.m.
M – Primary (excluding Dec Your Duds & Foods)	*Friday, July 18 –* 5:00 – 7:00 p.m.	*Saturday, July 19 –* 9:00 a.m.
N – Shooting Sports	*Friday, July 18 –* 5:00 – 7:00 p.m.	*Saturday, July 19 –* 9:00 a.m.
L –Home Design & Décor & Heritage Arts	*Friday, July 18 –* 5:00 – 7:00 p.m.	*Saturday, July 19 –* 9:00 a.m.
L – Foods (including Primary Foods)	*Saturday, July 19 –* TBD (judging schedules will be sent)	*Saturday, July 19 –* TBD (judging schedules will be sent)
L – Cake Decorating	*Saturday, July 19 – TBD* (judging schedules will be sent)	*Saturday, July 19 –* TBD (judging schedules will be sent)

PREMIUMS – DEPARTMENTS L - M - N

Blue Award – $5.00   Red Award – $4.00   White Award – $3.00

Primary Award -- $3.00

TABLE OF CONTENTS

(Items marked with an * are not eligible to go to State Fair)

Consumer Science – Department L

General Projects – Department M

Animal Science

Communication, Arts, Leisure Sciences

Mechanical Science

Natural Resources

Other General Projects – Department M

4-H Shooting Sports – Department N

Displays for Colorado 4-H Project Exhibits

Hints for Excellent Exhibits & Record Books

NOTE: *Exhibits that exceed project skill, number or size requirements <u>will</u> <u>not</u> 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 specialist. In addition, exhibitors must be at least eight years of age, must not have reached their 19th birthday as of December 31st 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. Sources must be cited. Plagiarism will result in disqualification.**

2. The project work, including writing, must be the member's own work. If the work was not created by the 4-H member or if it was submitted as a representation of the member's work without proper acknowledgement that it was created by another, then it is considered plagiarism. **Sources must be cited. Plagiarism will result in disqualification.**

   Images used in a 4-H project should be a true representation accurate to real life. Images that are AI-generated in all display board, project notebooks, or e-Records, etc. should be labeled as such. **AI-generated images or text must include a caption or label with this format:**

   Image (or Text) generated by Name of Generative AI tool, developer, date created and link to the tool. Examples:
   Image generated by DALL-E, Bing, 3-31-2025
   https://www.bing.com/images/create
   Text generated by ChatGPT, OpenAI, 3-7-2025
   https://chat.openai.com/chat

   For more information on how to cite AI-generated material, go to
   https://libguides.colostate.edu/ai/intro

3. 4-H members may enter only once in the same class.

4. Members must be enrolled in the project (which may be broken down into units, levels or categories) in which they exhibit.

5. **In the case of projects that are to be taken sequentially, if a member enrolls in two units of the same project in the same year and shows mastery in a lower-level unit, they are expected to exhibit in the higher-level unit. Exceptions to this rule will be stated in applicable project's rules.**

6. 4-H e-Records may be completed in pencil, ink, or by computer. The choice will not affect judging.

7. Display board must meet the specifications and should fold flat for transport. The standard 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.

8. Projects are divided by Junior, Intermediate and Senior age groups. The age range for Juniors is 8-10, Intermediates is 11-13, and Seniors is 14-18.

9. 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.

10. 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.

11. 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.

12. 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.**

13. Exhibits that do not meet exhibit standards and requirements will not be considered for Champion or Reserve Champion.

14. No binders with slider closures will be allowed.

15. Management will not be responsible for loss or damage to exhibits, although it will use all care to ensure their safety.

16. Unless otherwise stated in the project requirements, project will be evaluated on the quality of the information completed in the e-Record (25%) and the quality of the exhibit (75%).

NOTE: For more information on displays and projects:
www.colorado4h.org/project_resources/StateFairExhibitReq.pdf
Look under Display Hints and Tips and Project Tips.

DEPARTMENT L

CONSUMER SCIENCE

DEPT. L – ARTISTIC CLOTHING

NOTE: Please read 4-H Project Exhibit Rules on page 5.

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 printed 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. E-Records – DO NOT use covers that are clear plastic with sliders.

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

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

CLASS 1200. PRIMARY Decorate Your Duds (Youth 5-7)
Exhibit will consist of the following:

A. Exhibit article.

B. Completed record book.

CLASS 1201. 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.

CLASS 1202. Upcycle Your Style – Applied – Intermediate
Exhibit requirements the same as for CLASS 1201.

CLASS 1203. Upcycle Your Style – Applied – Senior
Exhibit requirements the same as for CLASS 1201.

CLASS 1204. 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 or others).

CLASS 1205. Upcycle Your Style – Stitched – Intermediate
Exhibit requirements the same as for CLASS 1204.

CLASS 1206. Upcycle Your Style – Stitched – Senior
Exhibit requirements the same as for CLASS 1204.

CLASS 1207. 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.

CLASS 1208. Upcycle Your Style – Combination – Intermediate
Exhibit requirements the same as for CLASS 1207.

CLASS 1209. Upcycle Your Style – Combination – Senior
Exhibit requirements the same as for CLASS 1207.

CLASS 1210. 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 articles made.
2. Percent of fiber content of each garment or article made.
3. Care of garment exhibited.

C. Include the cost of each garment on the Expense page of the Artistic Clothing e-Record.

D. One garment or outfit which illustrates what was learned. Garment must be of fabric and be sewn.

CLASS 1211. UNIT 4 – Recycled Clothing – Intermediate
Exhibit requirements the same as for CLASS 1210.

CLASS 1212. UNIT 4 – Recycled Clothing – Senior
Exhibit requirements the same as for CLASS 1210.

CLASS 1213. 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 our 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 1214. UNIT 5 – Creative Sewing – Costumes – Intermediate
Exhibit requirements the same as for CLASS 1213.

CLASS 1215. UNIT 5 – Creative Sewing – Costumes – Senior
Exhibit requirements the same as for CLASS 1213.

CLASS 1216. UNIT 5 – Creative Sewing – All Other Exhibits – Junior
Exhibit requirements the same as for CLASS 1213.

CLASS 1217. UNIT 5 – Creative Sewing – All Other Exhibits – Intermediate
Exhibit requirements the same as for CLASS 1213.

CLASS 1218. UNIT 5 – Creative Sewing – All Other Exhibits – Senior
Exhibit requirements the same as for CLASS 1213.

CLASS 1219. 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.

CLASS 1220. UNIT 6 – Buymanship – Senior
Exhibit requirements the same as for CLASS 1219.

CLASS 1221. 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 1222. UNIT 7 – Create Your Own – Exploration of Textiles & Clothing – Senior
Exhibit requirements the same as for CLASS 1221.

DEPT. L – CAKE DECORATING

NOTE: Please read 4-H Project Exhibit Rules on page 5.

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 materials 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, gum paste, or marzipan decorations can be used in Units 1, 2 or 3.** Only required tip work can be used in Units 2 and 3.

7. If your 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 for 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. The definition of a two-layered cake is, two of the same cakes placed on top of each other. This is used for Units 3, 7, 8 & 9.

14. Cakes qualifying for State Fair may be remade. Remade cakes must use the same design as the cake judged at the county level.

CLASS 1301. 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, gum paste, or marzipan, 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.**

CLASS 1302. UNIT 1 – Edible Cake Decorating – Intermediate
Exhibit requirements the same as for CLASS 1301.

CLASS 1303. UNIT 1 – Edible Cake Decorating – Senior
Exhibit requirements the same as for CLASS 1301

CLASS 1304. 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"x13" rectangle) 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, gum paste, marzipan, 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.**

CLASS 1305. UNIT 2 – Single-Layered Cake – Intermediate
Exhibit requirements the same as for CLASS 1304.

CLASS 1306. UNIT 2 – Single-Layered Cake – Senior
Exhibit requirements the same as for CLASS 1304.

CLASS 1307. 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, gum paste, marzipan, 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 materials 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. Side trim is uniformly placed icing decoration.**

CLASS 1308. Unit 3 – Two-Layered Cake - Intermediate
Exhibit requirements the same as for CLASS 1307.

CLASS 1309. UNIT 3 – Two-Layered Cake – Senior
Exhibit requirements the same as for CLASS 1307.

CLASS 1310. 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 pan cake (an entire cake which resembles the shape of a character or object made without cutting, or stacking and other than a classic square, round, oblong, heart, hexagon, oval or petal cake shape). Three-dimensional cakes are acceptable. The cake should be placed on a board that is cut to the shape of the character. The board must be cut 1½" from the base of the border, not the cake. The cake is to be primarily decorated with the star tip or other tips appropriate to the design. Fondant, gum paste, marzipan, or royal icing can be used only for decorations. **No non-edible materials can be used in Units 1-6.**

E. A defined bottom base border that frames the cake is required for any smooth icing. Defined borders should be included if it finishes the overall aesthetic of the character (i.e. grass around an animal). Otherwise, all tip work should be completed to the cake board.

CLASS 1311. UNIT 4 – Character Cakes – Intermediate
Exhibit requirements the same as for CLASS 1310.

CLASS 1312. UNIT 4 – Character Cakes – Senior
Exhibit requirements the same as for CLASS 1310.

CLASS 1313. 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 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 in addition to photos of you working on your project in the record photo page. Write a short explanation of what you did and what you learned with each batch you decorated.

D. A minimum of 3 and a maximum of 6 regular size (2 ¾") cupcakes in liners. Cupcakes should be decorated using frosting and edible materials. Fondant, gum paste, marzipan, 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.

CLASS 1314. UNIT 5 – Themed Cupcakes - Intermediate
Exhibit requirements the same as for CLASS 1313.

CLASS 1315. UNIT 5 – Themed Cupcakes – Senior
Exhibit requirements the same as for CLASS 1313.

CLASS 1316. 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 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 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, gum paste, marzipan, 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"x13" 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.

CLASS 1317. UNIT 5 – Stacked Cupcakes – Intermediate
Exhibit requirements the same as for CLASS 1316.

CLASS 1318. UNIT 5 – Stacked Cupcakes – Senior
Exhibit requirements the same as for CLASS 1316.

CLASS 1319. 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. Regular or mini-sized cupcakes or a combination may be used to create a character. 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, gum paste, marzipan, 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"x13" or a 14" round cut to the shape of the design. No non-edible materials can be used.

CLASS 1320. UNIT 5 – Character Cupcakes – Intermediate
Exhibit requirements the same as for CLASS 1319.

CLASS 1321. UNIT 5 – Character Cupcakes – Senior
Exhibit requirements the same as for CLASS 1319.

CLASS 1322. 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 <u>plus</u> 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 you working on your project in the record photo page. Write a short explanation of what you did and what you learned with each batch you decorated.

D. A minimum of 3 and maximum of 6 regular size (3") 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, gum paste, marzipan, and royal icing can be used only for decorations.

CLASS 1323. UNIT 5 – Decorated Themed Cookies - Intermediate
Exhibit requirements the same as for CLASS 1322.

CLASS 1324. UNIT 5 – Decorated Themed Cookies – Senior
Exhibit requirements the same as for CLASS 1322.

CLASS 1325. 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"x12". Cookies are decorated using icing and edible materials. Fondant, gum paste, marzipan, and royal icing may be used only for decorations.

CLASS 1326. UNIT 5 – Decorated Stacked Cookies – Intermediate
Exhibit requirements the same as for CLASS 1325.

CLASS 1327. UNIT 5 – Decorated Stacked Cookies – Senior
Exhibit requirements the same as for CLASS 1325.

CLASS 1328. 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 4)**
    1. occasion for use
    2. size or shape
    3. three batches of cookies
    4. techniques used
    5. tips used and where
    6. edible materials used
    7. cost to buy similar cookies
    8. any problems you had

Be sure to put the cost of your three cookie 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"x14" 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, gum paste, marzipan, and royal icing may be used for decorations.

CLASS 1329. UNIT 5 – Decorated Cookie Construction – Intermediate
Exhibit requirements the same as for CLASS 1328.

CLASS 1330. UNIT 5 – Decorated Cookie Construction – Senior
Exhibit requirements the same as for CLASS 1328.

CLASS 1331. 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 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. **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 cup-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 no larger than a 20" x 20" base. Non-edible internal supports are allowed but must not show. No non-edible materials can be used.

E. **Bottom base border required.**

CLASS 1332. UNIT 6 – Cut-up Cakes – Intermediate
Exhibit requirements the same as for CLASS 1331.

CLASS 1333. Unit 6 – Cut-up Cakes – Senior
Exhibit requirements the same as for CLASS 1331.

CLASS 1334. Unit 7 – Flat Surface & Nail Flowers – Intermediate

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, gum paste, marzipan or royal icing.

E. **Side trim is required.**

F. **Bottom base border required.**

CLASS 1335. UNIT 7 – Flat Surface & Nail Flowers – Senior
Exhibit requirements the same as for CLASS 1334.

CLASS 1336. 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 all 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.**

CLASS 1337. UNIT 8 – Fondant – Senior
Exhibit requirements the same as for CLASS 1336.

CLASS 1338. 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 3 of the cakes (one of which must be 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 a flower made on a lily flower nail and a side trim.

E. **Spatula painting, brush embroidery and texturing.**

F. **Bottom base border is required.**

CLASS 1339. UNIT 9 – Lily Nail Flowers – Senior
Exhibit requirements the same as for CLASS 1338.

CLASS 1340. 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.**

CLASS 1341. 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.

CLASS 1342. 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% 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.**

DEPT. L – CLOTHING CONSTRUCTION

NOTE: Please read 4-H Project Exhibit Rules on page 5.

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 will 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. Requirements: 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 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 1401. 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 article made.
2. Percent of fiber content of each garment or article made.
3. Care of garment exhibited.

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

E. Include the cost of each garment in the Expense page of the Clothing Construction e-Record.

F. Pillowcase illustrating the skills learned such as: simple seams, seam finishes, matching, suitable fabric/thread, cuff and even lip, etc.

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

CLASS 1402. Pillowcase – Intermediate
Exhibit requirements the same as for CLASS 1401.

CLASS 1403. Pillowcase – Senior
Exhibit requirements the same as for CLASS 1401.

CLASS 1404. 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. **A pattern instruction sheet is required** and must be attached securely to the e-Record. Write name and county on the pattern instruction sheet.

E. Include the cost of each garment on the Expense page of the Clothing Construction e-Record.

F. Simple Pillow – No larger than 18"x18" illustrating skills learned such as: simple seams, seam finishes, suitable fabric/thread, matching, trimmed corners, finished closure (lap or secured), etc. Pillow is to be a simple shape, (square, rectangle, circle, etc.), no pillows shaped such as animals or objects.

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

CLASS 1405. Pillow – Intermediate
Exhibit requirements the same as for CLASS 1404.

CLASS 1406. Pillow – Senior
Exhibit requirements the same as for CLASS 1404.

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

CLASS 1407. 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. **A pattern instruction sheet is required** and must be attached securely to the e-Record. Write name and county on the pattern instruction sheet.

E. Include the cost of each garment in the Expense page of the Clothing Construction e-Record.

F. 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 without set-in sleeves, zippers, collars, or buttonholes.

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

CLASS 1408. Simple Top – Intermediate
Exhibit requirements the same as for CLASS 1407.

CLASS 1409. Simple Top – Senior
Exhibit requirements the same as for CLASS 1407.

CLASS 1410. Simple Bottom – Junior
(pants, pajama bottoms, shorts, skirts, rompers)
Exhibit requirements the same as for CLASS 1407.

CLASS 1411. Simple Bottom – Intermediate
(pants, pajama bottoms, shorts, skirts, rompers)
Exhibit requirements the same as for CLASS 1407.

CLASS 1412. Simple Bottom – Senior
(pants, pajama bottoms, shorts, skirts, rompers)
Exhibit requirements the same as for CLASS 1407.

CLASS 1413. Simple Dress – Junior
Exhibit requirements the same as for CLASS 1407.

CLASS 1414. Simple Dress – Intermediate
Exhibit requirements the same as for CLASS 1407.

CLASS 1415. Simple Dress – Senior
Exhibit requirements the same as for CLASS 1407.

UNIT 2 STEAM CLOTHING 2 (Simply Sewing)

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

CLASS 1416. 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. **A pattern instruction sheet is required** and must be attached securely to the e-Record. Write name and county on the pattern instruction sheet.

E. Include the cost of each garment on the Expense page of the Clothing Construction e-Record.

F. An exhibit illustrating the skills learned such as: set-in sleeves, zippers, collars, cuffs, buttonholes, etc. Exhibits may use any woven, synthetic, 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 buttonholes.

CLASS 1417. Top (vest acceptable) – Intermediate
Exhibit requirements the same as for CLASS 1416.

CLASS 1418. Top (vest acceptable) – Senior
Exhibit requirements the same as for CLASS 1416.

CLASS 1419. Bottom (pants, shorts, skirt, romper, or jumpsuit) – Junior
Exhibit requirements the same as for CLASS 1416.

CLASS 1420. Bottom (pants, shorts, skirt, romper, or jumpsuit) – Intermediate
Exhibit requirements the same as for CLASS 1416.

CLASS 1421. Bottom (pants. shorts, skirt, romper, or jumpsuit) – Senior
Exhibit requirements the same as for CLASS 1416.

CLASS 1422. Dress (not formal wear) – Junior
Exhibit requirements the same as for CLASS 1416.

CLASS 1423. Dress (not formal wear) – Intermediate
Exhibit requirements the same as for CLASS 1416.

CLASS 1424. Dress (not formal wear) – Senior
Exhibit requirements the same as for CLASS 1416.

CLASS 1425. Two-Piece Outfit – Junior
Exhibit requirements the same as for CLASS 1416.

CLASS 1426. Two-Piece Outfit – Intermediate
Exhibit requirements the same as for CLASS 1416.

CLASS 1427. Two-Piece Outfit – Senior
Exhibit requirements the same as for CLASS 1416.

ADVANCED CLOTHING CONSTRUCTION

Garments should demonstrate at least two advanced sewing skills beyond STEAM Clothing 2; for example: rolled hems, hand-picked zippers, princess seams, flat felled or mock flat felled seam finishes, 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 1428. 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. One garment or outfit containing a majority of 50-100% cotton.

CLASS 1429. Cotton or Cotton Blend – Senior
Exhibit requirements the same as for CLASS 1428.

CLASS 1430. Synthetics/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 synthetics/rayon.

CLASS 1431. Synthetics/Rayon – Senior
Exhibit requirements the same as for CLASS 1430.

CLASS 1432. 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. This includes the project that you made.

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

F. One garment or outfit of fabric containing 50-100% of wool or wool-blend.

CLASS 1433. Wool/Wool Blend – Senior
Exhibit requirements the same as for CLASS 1432.

CLASS 1434. 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.

CLASS 1435. Silk/Silk-Like – Senior
Exhibit requirements the same as for CLASS 1434.

CLASS 1436. 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.

CLASS 1437. Specialty Fabrics (Leather, Fur, Linen, Ramie, Hemp, Sequined, Beaded, etc.) – Senior
Exhibit requirements the same as for CLASS 1436.

UNIT 4 SEWING FOR OTHERS

CLASS 1438. 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.

CLASS 1439. UNIT 4 – Sewing for Others – Intermediate
Exhibit requirements the same as for CLASS 1438.

CLASS 1440. UNIT 4 – Sewing for Others – Senior
Exhibit requirements the same as for CLASS 1438.

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 – Intermediate

CLASS 105. STEAM 3 – Senior

CLASS 106. **UNIT 4 – Recycled Clothing – Junior**

CLASS 107. **UNIT 4 – Recycled Clothing – Intermediate**

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

CLASS 109. **Decorate Your Duds – Primary**

CLASS 110. **Upcycle Your Style – Junior**

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

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

CLASS 113. **UNIT 6 Buymanship – Intermediate**

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

DEPT. L – FOODS

NOTE: Please read 4-H Project Exhibit Rules on page 5.

Project Exhibit Rules:

1. With these 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 cases 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. **Members who are exhibiting more than one item in a unit, they may copy their e-Record. Each exhibit must have an e-Record. Be sure to highlight what you are exhibiting in your e-Record.**

CLASS 1500. **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 1501. **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 made using stovetop or microwave.

CLASS 1502. **UNIT 1 – No Bake Cookies – Intermediate**
Exhibit requirements the same as for CLASS 1501.

CLASS 1503. **UNIT 1 – No Bake Cookies – Senior**
Exhibit requirements the same as for CLASS 1501.

CLASS 1504. **UNIT 1 – Baked Bar 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 baked bar cookies of one recipe.

CLASS 1505. UNIT 1 – Baked Bar Cookies - Intermediate
Exhibit requirements the same as for CLASS 1504.

CLASS 1506. UNIT 1 – Baked Bar Cookies – Senior
Exhibit requirements the same as for CLASS 1504.

CLASS 1507. UNIT 1 – 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 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.)

CLASS 1508. UNIT 1 – Cookies – Intermediate
Exhibit requirements the same as for CLASS 1507.

CLASS 1509. UNIT 1 – Cookies – Senior
Exhibit requirements the same as for CLASS 1507.

COOKING 201
Members can exhibit in one or more of the following classes:

CLASS 1510. UNIT 2 – Quick Breads – 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 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).

CLASS 1511. UNIT 2 – Quick Breads – Intermediate
Exhibit requirements the same as for CLASS 1510.

CLASS 1512. UNIT 2 – Quick Breads – Senior
Exhibit requirements the same as for CLASS 1510.

CLASS 1513. UNIT 2 – Scones – 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. 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.

CLASS 1514. UNIT 2 – Scones – Intermediate
Exhibit requirements the same as for CLASS 1513.

CLASS 1515. UNIT 2 – Scones – Senior
Exhibit requirements the same as for CLASS 1513.

CLASS 1516. UNIT 2 – Muffins – 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 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.

CLASS 1517. UNIT 2 – Muffins – Intermediate
Exhibit requirements the same as for CLASS 1516.

CLASS 1518. UNIT 2 – Muffins – Senior
Exhibit requirements the same as for CLASS 1516.

COOKING 301
Members can exhibit in one or more of the following:

CLASS 1519. 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 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 one completed food science experiment from the manual in the e-Record.

D. One shortened cake without frosting.

CLASS 1520. UNIT 3 – Shortened Cakes – Intermediate
Exhibit requirements the same as for CLASS 1519.

CLASS 1521. UNIT 3 – Shortened Cakes – Senior
Exhibit requirements the same as for CLASS 1519.

CLASS 1522: UNIT 3 – Yeast Rolls – 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 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.

CLASS 1523. UNIT 3 – Yeast Rolls – Intermediate
Exhibit requirements the same as for CLASS 1522.

CLASS 1524. UNIT 3 – Yeast Rolls – Senior
Exhibit requirements the same as for CLASS 1522.

CLASS 1525. UNIT 3 – Creative Yeast Bread – 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 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.

CLASS 1526. UNIT 3 – Creative Yeast Bread – Intermediate
Exhibit requirements the same as for CLASS 1525.

CLASS 1527. UNIT 3 – Creative Yeast Bread – Senior
Exhibit requirements the same as for CLASS 1525.

CLASS 1528. UNIT 3 – Party Planning – 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 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.

CLASS 1529. UNIT 3 – Party Planning – Intermediate
Exhibit requirements the same as for CLASS 1528.

CLASS 1530. UNIT 3 – Party Planning – Senior
Exhibit requirements the same as for CLASS 1528.

COOKING 401
Members can exhibit in one or more of the following classes:

CLASS 1531. UNIT 4 – Flatbread – 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 one completed food science experiment from the manual in the e-Record.

D. Four flatbreads of one variety and shape.

CLASS 1532. UNIT 4 – Flatbread – Intermediate
Exhibit requirements the same as for CLASS 1531.

CLASS 1533. UNIT 4 – Flatbread – Senior
Exhibit requirements the same as for CLASS 1531.

CLASS 1534. UNIT 4 – Double Crust Pie – 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 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 or lattice-top pie crusts allowed.

CLASS 1535. UNIT 4 – Double Crust Pie – Intermediate
Exhibit requirements the same as for CLASS 1534.

CLASS 1536. UNIT 4 – Double Crust Pie – Senior
Exhibit requirements the same as for CLASS 1534.

CLASS 1537. UNIT 4 – Celebration Meals – 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 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.

CLASS 1538. UNIT 4 – Celebration Meals – Intermediate
Exhibit requirements the same as for CLASS 1537.

CLASS 1539. UNIT 4 – Celebration Meals – Senior
Exhibit requirements the same as for CLASS 1537.

CLASS 1540. 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 (8 oz) of instant drink mix, properly packaged.
    • A piece of equipment made by the exhibitor (no larger than 3'x3'x3'). If exhibit is larger than these dimensions, a notebook with how and what was made can be used as the exhibit.

CLASS 1541. UNIT 5 – Outdoor Cooking & Living – Intermediate
Exhibit requirements the same as for CLASS 1540.

CLASS 1542. UNIT 5 – Outdoor Cooking & Living – Senior
Exhibit requirements the same as for CLASS 1540.

CLASS 1543. 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 1544. UNIT 6 – Cultural & Ethnic Foods – Senior
Exhibit requirements the same as for CLASS 1543.

CLASS 1545. 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 1546. UNIT 37 – Passport to Foreign Cookery – Senior
Exhibit requirements the same as for CLASS 1545.

DEPT. L – FOOD PRESERVATION

Note: Please read 4-H Project Exhibit Rules on page 5.

Special Exhibit Rules for Food Preservation:

1. All foods must have been preserved since the last fiar by the 4-H member.

2. All canned products must include the following information on the label: (Use the label templates below the examples and print on cardstock type paper. Affix labels to jars using a rubber band around the top of the jar.)
   a. Name of product
   b. Additional ingredients/Acidity (salt, lemon juice, vinegar, ascorbic acid)

c. Method of preparation (type of syrup, raw or hot pack) as applies to product canned
d. Method of processing (i.e., pressure canner, water bath), weighted or dialed gauge, **pounds of pressure**
e. Exact processing time, including altitude/elevation adjustment
f. Elevation at which processing was done (refer to *Making altitude/elevation adjustments* in your manual and to CSU's Preserve Smart app at https://apps.chhs.colostate.edu/preservesmart
g. Full 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 1, 2024	July 1, 2025

3. All dried foods must include the following information on the label:
   a. Name of product
   b. Pretreatment used, if any
   c. Name of additional ingredients added, if any
   d. Method of drying (oven, dehydrator, solar)
   e. Total drying time
   f. Date dried

Examples

APRICOTS
Ascorbic acid dipped
Dehydrator dried 8 hours
7 days
July 1, 2025

4. Clear standard canning jars, such as Ball or Kerr, must be used for all canned exhibits. **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. Screw bands should be used during transit to and from the state fair. Screw bands will be removed by the judge during judging.

6. All preserved foods must follow CSU Preserve Smart or USDA recommendations. Recipes from 1994 through present must be used. (Refer to project tip sheet.)

7. Any jars showing leaks or spoilage will not be judged.

8. Recipes from approved sources, such as USDA or CSU, that have been tested in a laboratory must be used to ensure that particular food mixture will be heated sufficiently in all parts within the jar and that acidity level is adequate to destroy both vegetative and spore forms of bacteria.

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

A. Completed e-Record presented in a sturdy binder/notebook. The 4-H Food Preservation Information page and the Recipe Information page must be included, as well as "My plans" on page 5 and "Exploring MyPlate" on pages 6-11 in the Freezing manual. Also, complete "Journaling" for at least two activities in the manual.

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. Include the recipe for your exhibit item(s) in your e-Record and cite the source where you get your recipe.

D. A display board illustrating a topic investigated during the project year. 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.

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

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

CLASS 1604. UNIT 2 – Drying – Fruit Leather or Jerky – Junior
Exhibit will consist of the following:

A. Completed e-Record presented in a sturdy binder/notebook. The 4-H Food Preservation Information page and the Recipe Information page must be included, as well as "My plans" on page 5 and "Exploring MyPlate" on pages 6-11 in the Drying manual. Also, complete "Journaling" for at least two activities in the manual.

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. Include the recipe for your exhibit item(s) in your e-Record and cite the source where you got your recipe.

D. Up to three of the following (one product per class):
   1. Six rolls of the same fruit leather or six strips of jerky. Jerky recipes must use CSU's recommended procedures. (See tip sheet for more information.) Deer and elk meat are to include a copy of test results for Chronic Wasting Disease. (CWD test mandatory and a copy placed in binder/notebook.)
   2. One-half cup of the same dried fruit.
   3. One-half cup of the same dried vegetable.
   4. One-half cup of mixed vegetables.

CLASS 1605. UNIT 2 – Drying – Fruit Leather or Jerky – Intermediate
Exhibit requirements the same as for CLASS 1604.

CLASS 1606. UNIT 2 – Drying – Fruit Leather or Jerky – Senior
Exhibit requirements the same as for CLASS 1604.

CLASS 1607. UNIT 2 – Drying – Same Dried Fruit – Junior
Exhibit requirements the same as for CLASS 1604.

CLASS 1608. UNIT 2 – Drying – Same Dried Fruit – Intermediate
Exhibit requirements the same as for CLASS 1604.

CLASS 1609. UNIT 2 – Drying – Same Dried Fruit – Senior
Exhibit requirements the same as for CLASS 1604.

CLASS 1610. UNIT 2 – Drying – Same Dried Vegetables – Junior
Exhibit requirements the same as for CLASS 1604.

CLASS 1611. UNIT 2 – Drying – Same Dried Vegetables – Intermediate
Exhibit requirements the same as for CLASS 1604.

CLASS 1612. UNIT 2 – Drying – Same Dried Vegetables – Senior
Exhibit requirements the same as for CLASS 1604.

CLASS 1613. UNIT 2 – Drying – Mixed Vegetables – Junior
Exhibit requirements the same as for CLASS 1604.

CLASS 1614. UNIT 2 – Drying – Mixed Vegetables – Intermediate
Exhibit requirements the same as for CLASS 1604.

CLASS 1615. UNIT 2 – Drying – Mixed Vegetables – Senior
Exhibit requirements the same as for CLASS 1604.

CLASS 1616. **UNIT 3 – Boiling Water Canning – Fruit Spreads – Junior**
Exhibit will consist of the following:

A. Completed e-Record presented in a sturdy binder/notebook. The 4-H Food Preservation Information page and the Recipe Information page must be included, as well as "My plans" on page 5 and "Exploring MyPlate" on page 6-11 in the Boiling Water Canning manual. Complete "Journaling" for at least two activities in the Boiling Water Canning manual. All exhibitors must complete questions on page 39 of the manual.
    *   Juniors – 1 question
    *   Intermediates – 2 questions
    *   Seniors – 3 questions

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. Include the recipe for your exhibit item(s) in your e-Record and cite the source where you got your recipe.

D. Up to three of the following (one jar per class):
    1. Fruit Spreads – Jelly, Jam, Preserves, Conserves, Marmalades, Fruit Butters (1/4 pint or ½ pint jar with ¼" headspace)
    2. Pickled fruit or vegetable (pint jar with ½" headspace)
    3. Relish (pint jar with ½" headspace)
    4. Fruit (pint or quart jar)
    5. Tomato Product (whole, halved, crushed, juice, sauce – Standard, BBQ, Ketchup) (pint jar)
    6. Salsa (pint jar)
    7. Fruit Pie Filling – must use modified starch such as Clear-Jel (pint or quart jar)

CLASS 1617. **UNIT 3 – Boiling Water Canning – Fruit Spreads – Intermediate**
Exhibit requirements the same as for CLASS 1616.

CLASS 1618. **UNIT 3 – Boiling Water Canning – Fruit Spreads – Senior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1619. **UNIT 3 – Boiling Water Canning – Pickled Fruit or Vegetable – Junior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1620. **UNIT 3 – Boiling Water Canning – Pickled Fruit or Vegetable – Intermediate**
Exhibit requirements the same as for CLASS 1616.

CLASS 1621. **UNIT 3 – Boiling Water Canning – Pickled Fruit or Vegetable – Senior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1622. **UNIT 3 – Boiling Water Canning – Relish – Junior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1623. **UNIT 3 – Boiling Water Canning – Relish – Intermediate**
Exhibit requirements the same as for CLASS 1616.

CLASS 1624. **UNIT 3 – Boiling Water Canning – Relish – Senior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1625. **UNIT 3 – Boiling Water Canning – Fruit – Junior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1626. **UNIT 3 – Boiling Water Canning – Fruit – Intermediate**
Exhibit requirements the same as for CLASS 1616.

CLASS 1627. **UNIT 3 – Boiling Water Canning – Fruit – Senior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1628. **UNIT 3 – Boiling Water Canning – Tomato Product – Junior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1629. **UNIT 3 – Boiling Water Canning – Tomato Product – Intermediate**
Exhibit requirements the same as for CLASS 1616.

CLASS 1630. **UNIT 3 – Boiling Water Canning – Tomato Product – Senior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1631. **UNIT 3 – Boiling Water Canning – Salsa – Junior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1632. **UNIT 3 – Boiling Water Canning – Salsa – Intermediate**
Exhibit requirements the same as for CLASS 1616.

CLASS 1633. **UNIT 3 – Boiling Water Canning – Salsa – Senior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1634. **UNIT 3 – Boiling Water Canning – Fruit Pie Filling – Junior**
Exhibit requirements the same as for CLASS 1616.

CLASS 1635. UNIT 3 – Boiling Water Canning – Fruit Pie Filling – Intermediate
Exhibit requirements the same as for CLASS 1616.

CLASS 1636. UNIT 3 – Boiling Water Canning – Fruit Pie Filling – Senior
Exhibit requirements the same as for CLASS 1616.

CLASS 1637. UNIT 4 – Pressure Canning – Vegetables – Intermediate
Exhibit will consist of the following:

A. Completed e-Record presented in a sturdy binder/notebook. The 4-H Food Preservation Information page and the Recipe Information page must be included, as well as "My plans" on page 6 and "Exploring MyPlate" on pages 6-11 in the Pressure Canning manual. Complete "Journaling" for at least two activities in the Pressure Canning manual. All exhibitors must complete questions on page 36 of the manual.
- Intermediates – 2 questions
- Seniors – 3 questions

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. Include the recipe for your exhibit item(s) in your e-Record and cite the source where you got your recipe.

D. Up to three of the following (one jar per class):
1. One pint jar of canned vegetables plus activity from manual that is related.
2. One pint jar of tomato based sauce without meat (example: Spaghetti Sauce) plus activity from manual that is related.
3. One pint jar of canned dried beans plus activity from manual that is related.
4. One pint jar of canned meat plus activity from manual that is related.
5. One pint jar of combination (example: stew, spaghetti sauce with meat) plus activity from manual that is related.

CLASS 1638. UNIT 4 – Pressure Canning – Vegetables – Senior
Exhibit requirements the same as for CLASS 1637.

CLASS 1639. UNIT 4 – Pressure Canning – Tomato Based Sauce – Intermediate
Exhibit requirements the same as for CLASS 1637.

CLASS 1640. UNIT 4 – Pressure Canning – Tomato Based Sauce – Senior
Exhibit requirements the same as for CLASS 1637.

CLASS 1641. UIT 4 – Pressure Canning – Dried Beans – Intermediate
Exhibit requirements the same as for CLASS 1637.

CLASS 1642. UNIT 4 – Pressure Canning – Dried Beans – Senior
Exhibit requirements the same as for CLASS 1637.

CLASS 1643. UNIT 4 – Pressure Canning – Meat – Intermediate
Exhibit requirements the same as for CLASS 1637.

CLASS 1644. UNIT 4 – Pressure Canning – Meat – Senior
Exhibit requirements the same as for CLASS 1637.

CLASS 1645. UNIT 4 – Pressure Canning – Combination – Intermediate
Exhibit requirements the same as for CLASS 1637.

CLASS 1646. UNIT 4 – Pressure Canning – Combination – Senior
Exhibit requirements the same as for CLASS 1637.

DEPT. L – HERITAGE ARTS

NOTE: Please read 4-H Project Exhibit Rules on page 5.

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 references
   c. Seniors (14 & older) three or more references

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

CLASS 1701. 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. Include the gauge used on your item.

C. If a pattern was used, secure a copy of the pattern to the e-Record.

D. One piece or set of up to three coordinated pieces illustrating skills learned. The skill demonstrated in the exhibit will be single crochet.

CLASS 1702. UNIT 1 – Crochet – Intermediate
Exhibit requirements the same as for CLASS 1701.

CLASS 1703. UNIT 1 – Crochet – Senior
Exhibit requirements the same as for CLASS 1701.

CLASS 1704. 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. Include the gauge used on your item.

C. If a pattern was used, secure a copy of the pattern to the e-Record.

D. 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

CLASS 1705. UNIT 2 – Crochet - Intermediate
Exhibit requirements the same as for CLASS 1704.

CLASS 1706. UNIT 2 – Crochet – Senior
Exhibit requirements the same as for CLASS 1704.

CLASS 1707. 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. Include the gauge used on your item.

C. If a pattern was used, secure a copy of the pattern to the e-Record.

D. 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.

CLASS 1708. UNIT 3 – Crochet – Intermediate
Exhibit requirements the same as for CLASS 1707.

CLASS 1709. UNIT 3 – Crochet – Senior
Exhibit requirements the same as for CLASS 1707.

CLASS 1710. 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?

C. If pattern was used, secure a copy of the pattern to the e-Record.

D. 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 skeins, felted bags, batiked fabric, hooked pillows, Navajo rug, etc.) It is preferred that needle arts be finished in a way that allows the judge to see the back side of the piece as well as the front side.

CLASS 1711. Miscellaneous Fiber Arts – Intermediate
Exhibit requirements the same as for CLASS 1710.

CLASS 1712. Miscellaneous Fiber Arts – Senior
Exhibit requirements the same as for CLASS 1710.

CLASS 1713. Miscellaneous Non-Fiber Arts – Junior (Native American beading, silver smithing, Ukranian 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?

C. If pattern was used, secure a copy of the pattern to the e-Record.

D. 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.

CLASS 1714. Miscellaneous Non-Fiber Arts – Intermediate
Exhibit requirements the same as for CLASS 1713.

CLASS 1715. Miscellaneous Non-Fiber Arts – Senior
Exhibit requirements the same as for CLASS 1713.

CLASS 1716. 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. Include the gauge used on your item.

C. If a pattern was used, secure a copy of the pattern to the e-Record.

D. 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:
1. Stockinette stitch
2. Garter stitch
3. Ribbing is optional

CLASS 1717. UNIT 1 – Knitting – Intermediate
Exhibit requirements the same as for CLASS 1716.

CLASS 1718. UNIT 1 – Knitting – Senior
Exhibit requirements the same as for CLASS 1716.

CLASS 1719. 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. Include the gauge used on your item.

C. If a pattern was used, secure a copy of the pattern to the e-Record.

D. 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
4. Ribbing is optional

CLASS 1720. Unit 2 – Knitting – Intermediate
Exhibit requirements the same as for CLASS 1719.

CLASS 1721. UNIT 2 – Knitting – Senior
Exhibit requirements the same as for CLASS 1719.

CLASS 1722. 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. Include the gauge used on your item.

C. If a pattern was used, secure a copy of the pattern to the e-Record.

D. 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.

CLASS 1723. UNIT 3 – Knitting – Intermediate
Exhibit requirements the same as for CLASS 1722.

CLASS 1724. UNIT 3 – Knitting – Senior
Exhibit requirements the same as for CLASS 1722.

CLASS 1725. 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 (14-18) three or more references
   3. Include the stitches per inch on your item.
   4. List the skills (at least three) that you learned and are used on your project.
   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. 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 ¼" 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

CLASS 1726. UNIT 1 – Quilting – Intermediate
Exhibit requirements the same as for CLASS 1725.

CLASS 1727. UNIT 1 – Quilting – Senior
Exhibit requirements the same as for CLASS 1725.

CLASS 1728. 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. List the skills (at least three) that you have learned and used in your quilt.
   5. If a pattern was used, secure a copy of the pattern to the e-Record.

C. One finished item illustrating what was learned. Items should include **one** of the following:
   1. 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

CLASS 1729. UNIT 2 – Quilting – Intermediate
Exhibit requirements the same as for CLASS 1728.

CLASS 1730. UNIT 2 – Quilting – Senior
Exhibit requirements the same as for CLASS 1728.

CLASS 1731. 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. List 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

CLASS 1732. Unit 3 – Quilting – Intermediate
Exhibit requirements the same as for CLASS 1731.

CLASS 1733. UNIT 3 – Quilting – Senior
Exhibit requirements the same as for CLASS 1731.

CLASS 1734. 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. List the skills (at least three) that you have learned and used in your quilt.
   5. If a pattern was used, secure a copy of the pattern to the e-Record.

C. One finished item illustrating what was learned. Items should include *one* of the following:
   1. 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

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CLASS 1735. UNIT 4 – Quilting – Original Design – Intermediate
Exhibit requirements the same as for CLASS 1734.

CLASS 1736. UNIT 4 – Quilting – Original Design – Senior
Exhibit requirements the same as for CLASS 1734.

CLASS 1737. 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. List the skills (at least two) that you learned and are used on your project.
    5. If a pattern was used, secure a copy of the pattern to the e-Record.

C. 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. Descriptions of the process or steps

D. 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

E. Exhibit items must be quilted – hand or machine quilted (traditional or long-arm).

F. A separate binding should be used.

G. Two or more of the required techniques from previous Units, but the design must be **original**.

H. Fabric selection allowed:
    1. Yardage
    2. Applique pre-cuts

I. NO commercial patterns allowed.

CLASS 1738. UNIT 5 – Original Design – Intermediate
Exhibit requirements the same as for CLASS 1737.

CLASS 1739. UNIT 5 – Original Design – Senior
Exhibit requirements the same as for CLASS 1737.

CLASS 1740. 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. List 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

CLASS 1741. UNIT 6 – Long-Arm Quilting – Senior
Exhibit requirements the same as for CLASS 1740.

DEPT. L – HOME DESIGN & DÉCOR

CLASS 1801. 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

OR

   2. Using at least 50% recycled or reused items (no furniture) to make one of the following items to be used inside the house.
      a. Centerpiece for table
      b. Planter
      c. Room or desk organizer
      d. Decorative accessory for the home (see definition)
      e. Household item (see definition)
      f. Wall hanging (3' x 2')

D. Completed Activity – Include the painted color wheel from p. 9 or 10 and the painted Color Activity #2 (mixed hues to create tints and shades) from page 15 in the Unit 1 manual in the e-Record.

CLASS 1802. UNIT 1 – Home Design & Décor – Intermediate
Exhibit requirements the same as for CLASS 1801.

CLASS 1803. UNIT 1 – Home Design & Décor – Senior
Exhibit requirements the same as for CLASS 1801.

CLASS 1804. 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

CLASS 1805. UNIT 2 – Home Design & Décor – Intermediate
Exhibit requirements the same as for CLASS 1804.

CLASS 1806. UNIT 2 – Home Design & Décor – Senior
Exhibit requirements the same as for CLASS 1804.

CLASS 1807. 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.

OR

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

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 1808. **UNIT 3 – Home Design & Décor – Intermediate**
Exhibit requirements the same as for CLASS 1807.

CLASS 1809. **UNIT 3 – Home Design & Décor – Senior**
Exhibit requirements the same as for CLASS 1807.

CLASS 1810. **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 of 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 picture 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 of display/portfolio that includes images of accomplished work.
   b. Written explanation that demonstrates knowledge of the related career or business field, potential careers, and the appropriate requirements for achievement in that field.

CLASS 1811. **Unit 4 – Home Design & Décor – Senior**
Exhibit requirements the same as for CLASS 1810.

DEPARTMENT M

ANIMAL SCIENCE

DEPT. M – CATS

> **Note: Please read 4-H Project Exhibit Rules on page 5.**

DISPLAY BOARD EXHIBITS

CLASS 101. **UNIT 1 – Purr-fect Pals – Junior**
Exhibit will consist of the following:

A. A completed Cat Display Board 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'x3' is to be used for 4-H projects. No additional items may be included in front of display board.

CLASS 102. **UNIT 1 – Purr-fect Pals – Intermediate**
Exhibit requirements the same as for CLASS 101.

CLASS 103. **UNIT 1 – Purr-fect Pals – Senior**
Exhibit requirements the same as for CLASS 101.

CLASS 104. **UNIT 2 – Climbing Up – Junior**
Exhibit requirements the same as for CLASS 101.

CLASS 105. **UNIT 2 – Climbing up – Intermediate**
Exhibit requirements the same as for CLASS 101.

CLASS 106. **UNIT 2 – Climbing Up – Senior**
Exhiibit requirements the same as for CLASS 101.

CLASS 107. **UNIT 3 – Leaping Forward – Junior**
Exhibit requirements the same as for CLASS 101.

CLASS 108. **UNIT 3 – Leaping Forward – Intermediate**
Exhibit requirements the same as for CLASS 101.

CLASS 109. **UNIT 3 – Leaping Forward – Senior**
Exhibit requirements the same as for CLASS 101.

DEPT. M – HORSELESS HORSE

Note: Please read 4-H Project Exhibit Rules on page 5.

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.

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 – VETERINARY SCIENCE

Note: Please read 4-H Project Exhibit Rules on page 5.

CLASS 301. **UNIT 1 – From Airedales to Zebras – Junior**
Exhibit will consist of the following:

A. *From Aiiredales to Zebras* project manual and Veterinary Science 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.

CLASS 302. UNIT 1 – From Airedales to Zebras – Intermediate
Exhibit requirements the same as for CLASS 301.

CLASS 303. UNIT 1 – From Airedales to Zebras – Senior
Exhibit requirements the same as for CLASS 301.

CLASS 304. UNIT 2 – All Systems Go – Junior
Exhibit will consist of the following:

A. *All Systems Go* project manual and Veterinary Science 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 of 4' x 3' is to be used for 4-H projects. NO additional items may be included in front of display board.

CLASS 305. UNIT 2 – All Systems Go – Intermediate
Exhibit requirements the same as for CLASS 304.

CLASS 306. UNIT 2 – All Systems Go – Senior
Exhibit requirements the same as for CLASS 304.

CLASS 307. UNIT 3 – On the Cutting Edge – Junior
Exhibit will consist of the following:

A. *On the Cutting Edge* project manual and Veterinary Science 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.

CLASS 308. UNIT 3 – On the Cutting Edge – Intermediate
Exhibit requirements the same as for CLASS 307.

CLASS 309. UNIT 3 – On the Cutting Edge – Senior
Exhibit requirements the same as for CLASS 307.

COMMUNICATION, ARTS, AND LEISURE SCIENCES

DEPT. M – CERAMICS

Note: Please read 4-H Project Exhibit Rules on page 5.

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 flowerpot; doll's clothing must be easily removed**). If not, the piece/pieces will be disqualified.

5. **Bisque option is for items that are already cleaned and fired and can be exhibited in Units 1, 2 and 4.**

CLASS 401. 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.

CLASS 402. UNIT 1 – Glazes – Intermediate
Exhibit requirements the same as for CLASS 401.

CLASS 403. UNIT 1 – Glazes – Senior
Exhibit requirements the same as for CLASS 401.

CLASS 404. UNIT 1 – Bisque Option – Junior
Exhibit requirements the same as for CLASS 401.

CLASS 405. UNIT 1 – Bisque Option – Intermediate
Exhibit requirements the same as for CLASS 401.

CLASS 406. UNIT 1 – Bisque Option – Senior
Exhibit requirements the same as for CLASS 401.

CLASS 407. 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 or set showing techniques learned.

CLASS 408. UNIT 2 – Underglazes – Intermediate
Exhibit requirements the same as for CLASS 407.

CLASS 409. UNIT 2 – Underglazes – Senior
Exhibit requirements the same as for CLASS 407.

CLASS 410. UNIT 2 – Bisque Option – Junior
Exhibit requirements the same as for CLASS 407.

CLASS 411. UNIT 2 – Bisque Option – Intermediate
Exhibit requirements the same as for CLASS 407.

CLASS 412. UNIT 2 – Bisque Option – Senior
Exhibit requirements the same as for CLASS 407.

CLASS 413. 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 or set showing techniques learned.

CLASS 414. UNIT 3 – Overglazes – Intermediate
Exhibit requirements the same as for CLASS 413.

CLASS 415. UNIT 3 – Overglazes – Senior
Exhibit requirements the same as for CLASS 413.

CLASS 416. 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 used.

D. One piece or set showing techniques learned.

CLASS 417. UNIT 4 – Unfired Finishes – Intermediate
Exhibit requirements the same as for CLASS 416.

CLASS 418. UNIT 4 – Unfired Finishes – Senior
Exhibit requirements the same as for CLASS 416.

CLASS 419. UNIT 4 – Bisque Option – Junior
Exhibit requirements the same as for CLASS 416.

CLASS 420. UNIT 4 – Bisque Option – Intermediate
Exhibit requirements the same as for CLASS 416.

CLASS 421. UNIT 4 – Bisque Option – Senior
Exhibit requirements the same as for CLASS 416.

CLASS 422. 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.

CLASS 423. UNIT 5 – Porcelain Dolls – Intermediate
Exhibit requirements the same as for CLASS 422.

CLASS 424. UNIT 5 – Porcelain Dolls – Senior
Exhibit requirements the same as for CLASS 422.

CLASS 425. 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.

CLASS 426. UNIT 6 – Hand-Constructed in Stoneware –
Intermediate
Exhibit requirements the same as for CLASS 425.

CLASS 427. UNIT 6 – Hand-Constructed in Stoneware –
Senior
Exhibit requirements the same as for CLASS 425.

DEPT. M – FILMMAKING

Note: Please read 4-H Project Exhibit Rules on page 5.

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 so the judge can view the video.**

CLASS 501. Animation – Junior
Exhibit will consist of the following:

A. Completed Filmmaking 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

CLASS 502. Animation – Intermediate
Exhibit requirements the same as for CLASS 501.

CLASS 503. Animation – Senior
Exhibit requirements the same as for CLASS 501.

CLASS 504. Narrative – Junior
Exhibit requirements the same as for CLASS 501.

CLASS 505. Narrative – Intermediate
Exhibit requirements the same as for CLASS 501.

CLASS 506. Narrative – Senior
Exhibit requirements the same as for CLASS 501.

CLASS 507. Documentary – Junior
Exhibit requirements the same as for CLASS 501.

CLASS 508. Documentary – Intermediate
Exhibit requirements the same as for CLASS 501.

CLASS 509. Documentary – Senior
Exhibit requirements the same as for CLASS 501.

CLASS 510. Promotional – Junior
Exhibit requirements the same as for CLASS 501.

CLASS 511. Promotional – Intermediate
Exhibit requirements the same as for CLASS 501.

CLASS 512. Promotional – Senior
Exhibit requirements the same as for CLASS 501.

CLASS 513. Voices of 4-H History – Junior
Exhibit requirements the same as for CLASS 501.

CLASS 514. Voices of 4-H History – Intermediate
Exhibit requirements the same as for CLASS 501.

CLASS 515. Voices of 4-H History – Senior
Exhibit requirements the same as for CLASS 501.

DEPT. M – GLOBAL CITIZENSHIP

Note: Please read 4-H Project Exhibit Rules on page 5.

NO Display Boards.

CLASS 601. UNIT 1 – Study of Another Country – Junior
Exhibit will consist of the following:

A. A sturdy three-ring notebook including a completed Global Citizenship e-Record with the following additional information:
    1. Create an information sheet that explains the selected study option and list the topic(s) studied (page 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.

CLASS 602. UNIT 1 – Study of Another Country – Intermediate
Exhibit requirements the same as for CLASS 601.

CLASS 603. UNIT 1 – Study of Another Country – Senior
Exhibit requirements the same as for CLASS 601.

CLASS 604. UNIT 2 – Host a Delegate from Another Country – Junior
Exhibit will consist of the following:

A. A sturdy three-ring notebook including a completed Global Citizenship 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.

CLASS 605. UNIT 2 – Host a Delegate from Another Country – Intermediate
Exhibit requirements the same as for CLASS 604.

CLASS 606. UNIT 2 – Host a Delegate from Another Country – Senior
Exhibit requirements the same as for CLASS 604.

CLASS 607. UNIT 3 – Exchange Delegate to Another Country – Intermediate
Exhibit will consist of the following:

A. A sturdy three-ring notebook including a completed Global Citizenship 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.

CLASS 608. UNIT 3 – Exchange Delegate to Another Country – Senior
Exhibit requirements the same as for CLASS 607.

DEPT. M – LEADERSHIP

Note: Please read 4-H Project Exhibit Rules on page 5.

CLASS 701. UNIT 1 – Individual Skills You Never Outgrow – Junior
Exhibit will consist of the following:

A. A sturdy three-ring notebook including a completed Leadership 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 702. UNIT 2 – Leadership Road Trip – Intermediate
Exhibit will consist of the following:

A. A sturdy three-ring notebook including a completed Leadership 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 **a link to view the video must be provided**.

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

CLASS 703. UNIT 2 – Leadership Road Trip – Senior
Exhibit requirements the same as for CLASS 702.

CLASS 704. UNIT 3 – Put Leadership to Practice – Intermediate
Exhibit will consist of the following:

A. A sturdy three-ring notebook including a completed Leadership e-Record with the following 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 **a link to view the video must be provided.**

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

CLASS 705. UNIT 3 – Put Leadership to Practice – Senior
Exhibit requirements the same as for CLASS 704.

CLASS 706. UNIT 4 – Refining Leadership Skills – Senior
Exhibit will consist of the following:

A. A sturdy three-ring notebook including a completed Leadership e-Record with the following 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 **a link to view the video must be provided**.

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

CLASS 707. UNIT 5 – Community Service Project – Senior
Exhibit will consist of the following:

A. A sturdy three-ring notebook including a completed Leadership 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 **a link to view the video must be provided**.

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 5.

Project Exhibit Rules for All Units:

1. Put name, age, and county on back of exhibit board **_and_ on tag attached to individual exhibit articles.**

2. Indicate in e-Record whether articles are made from a kit or are self-cut and designed by the member.

3. A set means several 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 4-9 may be taken in any order. Members may exhibit in more than one unit, provided the member is enrolled in and has completed the requirements of each of the units they are exhibiting 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 more realistic. For example, use darker and lighter shades of a color on a tooler flower, animal or figure of any kind to make it look more realistic. Paints will be accepted.

Decorative swivel knife carving – is carving a design with lines and scrolls. Shading can be done with lines close together, called 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.

Matched set – is a set of two or more items with elements in common among each of the items. For example, with the same border, a set of coasters with a variety of floral designs, a common theme among the items, etc.

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 famed or not.

Sewing thread – is round thread, waxed or not. Sometimes a light cord is used like thread.

Solid color dyeing – is dyeing the whole project the same color. For example, tool a belt and 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 cute, 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 applied to some areas which will give a two-tone effect after an additional antique finish is applied

CLASS 801. UNIT 1 – Intro to Leathercraft & Stamping – Junior
Exhibit will consist of the following:

A. Completed Leathercraft 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 ¼" (preferably pegboard)* to which items are attached by means of lacing or thread, so items are less likely to be misplaced during display.

C. One each from categories below:
   1. One completed article or one matched set of articles with a creative stamping design on a single layer of leather. Examples: belt, bookmark, wrist bracelet, or set of coasters with matching elements.
   2. One completed article with a creative stamping design on at least two pieces of leather that are hand served together with lacing and/or thread stitching using whip stitch, running stitch, or saddle stitch. Examples: coin purse, knife sheath/case, simple purse, wallet. Pre-cut or self-cut kits are allowed.

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

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

CLASS 802. UNIT 1 – Intro to Leathercraft & Stamping – Intermediate
Exhibit requirements the same as for CLASS 801.

CLASS 803. UNIT 1 – Intro to Leathercraft & Stamping – Senior
Exhibit requirements the same as for CLASS 801.

CLASS 804. UNIT 2 – Beginning Leather Carving – Junior
Exhibit will consist of the following:

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

B. Exhibit three samples and one article. Any floral pattern can be used as long as it uses all the required tools of Unit 2 within the design. *Exhibit board 12" x 18" x 1/8" or ¼" (preferably pegboard)* to which items are attached by means of lacing or thread:
   1. Three samples with labels showing:
      a. Sample 1: Use of swivel knife and camouflage tool
      b. Sample 2: Use of swivel knife, camouflage tool, pear shader, beveler and veiner.
      c. 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 underlined 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.)

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

CLASS 805. UNIT 2 – Beginning Leather Carving – Intermediate
Exhibit requirements the same as for CLASS 804.

CLASS 806. UNIT 2 – Beginning Leather Carving – Senior
Exhibit requirements the same as for CLASS 804.

CLASS 807. UNIT 3 – Intermediate Leather Carving – Junior
Exhibit will consist of the following:

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

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 or wall hangings 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 dying** are allowed in Unit 3. No machine stitching allowed. Any lacing and/or hand stitching may be used in this unit, though they are not required.

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

ADVANCED UNITS 4-9

Note: The advanced units do not have to be taken in order. All pictures or wall hangings in Units 4-8 meant to be hung need to be complete with hardware to hang for display, whether framed or not. Any dyeing, color shading, antique/stain, and finishing techniques may be used in Units 4-9.

CLASS 808. UNIT 3 – Intermediate Leather Carving – Intermediate
Exhibit requirements the same as for CLASS 807.

CLASS 809. UNIT 3 – Intermediate Leather Carving – Senior
Exhibit requirements the same as for CLASS 807.

CLASS 810. UNIT 4 – Advanced Leather Carving – Junior
Exhibit will consist of the following:
A.   Completed Leathercraft 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.

C.   Any lacing, hand sewing, and/or machine sewing may be used in Unit 4, though they are not required.

CLASS 811. UNIT 4 – Advanced Leather Carving – Intermediate
Exhibit requirements the same as for CLASS 810.

CLASS 812. UNIT 4 – Advanced Leather Carving – Senior
Exhibit requirements the same as for CLASS 810.

CLASS 813. UNIT 5 – Advanced Stamping – Junior
Exhibit will consist of the following:
A.   Completed Leathercraft 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.**

CLASS 814. UNIT 5 – Advanced Stamping – Intermediate
Exhibit requirements the same as for Class 813.

CLASS 815. UNIT 5 – Advanced Stamping – Senior
Exhibit requirements the same as for CLASS 813.

CLASS 816. UNIT 6 – Sewing Leather – Junior
Exhibit will consist of the following:

A.   Completed Leathercraft 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.**

CLASS 817. UNIT 6 – Sewing Leather – Intermediate
Exhibit requirements the same as for CLASS 816.

CLASS 818. UNIT 6 – Sewing Leather – Senior
Exhibit requirements the same as for CLASS 816.

CLASS 819. UNIT 7 – Braiding and Untooled Leather – Junior
Exhibit will consist of the following:

A.   Completed Leathercraft 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.**

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

CLASS 820. UNIT 7 – Braiding and Untooled Leather – Intermediate
Exhibit requirements the same as for CLASS 819.

CLASS 821. UNIT 7 – Braiding and Untooled Leather – Senior
Exhibit requirements the same as for CLASS 819.

CLASS 822. UNIT 8 – Master Leathercraft – Junior
Exhibit will consist of the following:

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

B. One completed article, matching set or picture/wall hanging using <u>multiple</u> leather working techniques.

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!

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

CLASS 823. UNIT 8 – Master Leathercraft – Intermediate
Exhibit requirements the same as for CLASS 822.

CLASS 824. UNIT 8 – Master Leathercraft – Senior
Exhibit requirements the same as for CLASS 822.

CLASS 825. UNIT 9 – Making & Rebuilding Saddles – Junior
Exhibit will consist of the following:

A. Completed Leathercraft 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.**

Note: All dyeing, shading, and antiquing are <u>optional</u> after Unit 5.

CLASS 826. UNIT 9 – Making & Rebuilding Saddles – Intermediate
Exhibit requirements the same as for CLASS 825.

CLASS 827. UNIT 9 – Making & Rebuilding Saddles – Senior
Exhibit requirements the same as for CLASS 825.

DEPT. M – PHOTOGRAPHY

Note: Please read 4-H Project Exhibit Rules on page 5.

A. For all units, submit photo materials for the current unit being entered. Do not submit previous photos or records unless requested for an activity in the unit.

B. 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. The maximum size for the matted only picture is no larger than 8" x 10" (no frame or glass).

C. All photos in the photo journal/notebook 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.

D. **Display photo will be used to display at state fair, so be careful when picking your best photo. Notebooks will not be displayed.**

E. Photo Journal Binder/notebook: Use a hardback, three-ring notebook up to three inches in size for all units. No posters or oversized books. Do not use plastic covers on any pages in the unit. All materials must fit within the notebook. Additional pages can be added as needed to exhibit your photos. **Notebooks will be judged but will not be displayed at state fair.**

F. For photo exhibits in Units 1-4 follow the tips in the manuals. **Photos can be mounted on cardstock.**

G. For Units 1-4, no advanced editing tools (i.e. Artificial Intelligence, Photoshop, Lightroom, etc.) may be used. For Units 5 and 6, please list a citation if advanced photo editing tools are used.

   1. Label format for UNITS 1-4:
      a. Camera used _____
      b. Activity #_____
      c. Photo # (left to right & top to bottom)_____
      d. Subject_____
      e. Date photo taken_____

   2. Label Format for UNIT 5
      a. Camera used _____
      b. Activity # _____
      c. Photo # (left to right & top to bottom) _____
      d. Subject _____
      e. Date photo taken _____
      f. Notes _____ (List your citation in notes if you used an AI-generating or advanced editing tools.)

3. Label format for Unit 6:
   a. Photo # or media used _____
   b. Subject _____
   c. Date photo taken _____
   d. Notes _____ (List your citation in notes if you used any AI-generating or advanced editing tools)

H. Unit 5 Low Light 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 exhibit 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 matte 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 901. UNIT 1 – Photography Basics – First Year – Junior
Exhibit will consist of the following:

A. Completed Photography Unit 1 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 & 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 on page 32 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 could demonstrate the correct use of zoom or moving close or further to the subject to achieve the correct composition.

CLASS 902. UNIT 1 – Photography Basics – First Year – Intermediate
Exhibit requirements the same as for CLASS 901.

CLASS 903. UNIT 1 – Photography Basics – First Year – Senior
Exhibit requirements the same as for CLASS 901.

CLASS 904. **UNIT 2 – Photography Basics, Part 2 – Second Year – Junior**
Exhibit will consist of the following:

A. Completed Photography Unit 2 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 – clutter 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.

CLASS 905. **UNIT 2 – Photography Basics, Part 2 – Second Year – Intermediate**
Exhibit requirements the same as for CLASS 904.

CLASS 906. **UNIT 2 – Photography Basics, Part 2 – Second Year – Senior**
Exhibit requirements the same as for CLASS 904.

CLASS 907. **UNIT 3 – Next Level Photography – Junior**
Exhibit will consist of the following:

A. Completed Photography Unit 3 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 & 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.

**CLASS 908. UNIT 3 – Next Level Photography –
Intermediate**
Exhibit requirements the same as for CLASS 907.

CLASS 909. UNIT 3 – Next Level Photography – Senior
Exhibit requirements the same as for CLASS 907.

CLASS 910. UNIT 4 – Mastering Photography – Junior
Exhibit will consist of the following:

A. Completed Photography Unit 4 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 & 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

**CLASS 911. UNIT 4 – Mastering Photography –
Intermediate**
Exhibit requirements the same as for CLASS 910.

CLASS 912. UNIT 4 – Mastering Photography – Senior
Exhibit requirements the same as for CLASS 910.

CLASS 913. UNIT 5 – Low Light Photography – Junior
Exhibit will consist of the following:

A. Completed Photography Unit 5 e-Record with emphasis
     on your challenges and 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 & top to bottom)
     4. Activity from the manual (include activity number and
          title)
     5. Date photo taken

C. Three 5" x 7" photos mounted on an 8" x 10" 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 the categories that are listed in the manual. Any combination can be done. Each display photo needs to be a different subject.

E. Your portfolio of at least twenty 4" x 6" prints: photos that you took while doing the project are included inside your journal/binder.

CLASS 914. UNIT 5 – Low Light Photography – Intermediate
Exhibit requirements the same as for CLASS 913.

CLASS 915. UNIT 5 – Low Light Photography – Senior
Exhibit requirements the same as for CLASS 913.

CLASS 916. UNIT 6 – Advanced Photography – Intermediate

Note: This unit is for those 4-H members who have advanced photography experience (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 mus tbe 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 917. UNIT 6 – Advanced Photography – Senior
Exhibit requirements the same as for CLASS 916.

DEPT. M – SCRAPBOOKING

Note: Please read 4-H Project Exhibit Rules on page 5.

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.**

4. All members will need to complete the Technique Reflection Page in the record book with designated number of techniques based on age. **Required activities to include in record book: Jr – 1 or more; Int – 2 or more; Sr – 3 or more.** Be sure to explain what you learned, how you learned it, and if you included them in the final project. Examples of techniques not used in the final project are to be included in record book, either a picture or actual technique.

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 1001. Scrapbooking – One Page Layout – Junior
Exhibit will consist of the following:

A. Completed Scrapbooking e-Record presented in a sturdy binder/notebook with completed Technique Reflection Page and required number of activities completed.

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 a 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.

CLASS 1002. Scrapbooking – One Page Layout – Intermediate
Exhibit requirements the same as for CLASS 1001.

CLASS 1003. Scrapbooking – One Page Layout – Senior
Exhibit requirements the same as for CLASS 1001.

CLASS 1004. Scrapbooking – Two Page Layout – Junior
Exhibit will consist off the following:

A. Completed Scrapbooking e-Record presented in a sturdy binder/notebook with completed Technique Reflection Page and required number of activities completed.

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.

CLASS 1005. Scrapbooking – Two Page Layout - Intermediate
Exhibit requirements the same as for CLASS 1004.

CLASS 1006. Scrapbooking – Two Page Layout – Senior
Exhibit requirements the same as for CLASS 1004.

CLASS 1007. Scrapbooking Album – Junior
Exhibit will consist of the following:

A. Completed Scrapbooking e-Record presented in a sturdy binder/notebook with completed Technique Reflection Page and required number of activities completed.

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:
      a. Correct spelling
      b. Tell your story; who, what, when, where, why
      c. Title your page, or two page lay-out
      d. Album must contain at least one hand-written journal entry, all others may be typed
   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)

CLASS 1008. Scrapbooking Album – Intermediate
Exhibit requirements the same as for CLASS 1007.

CLASS 1009. Scrapbooking Album – Senior
Exhibit requirements the same as for CLASS 1007.

CLASS 1010. Scrapbooking – Tag Making – Juniors only
Exhibit will consist of the following:

A. Completed Scrapbooking e-Record presented in a sturdy binder/notebook with completed Technique Reflection Page and required number of activities completed.

B. Set of 5 different hand-made tags following a theme with a maximum size of 3" x 5" per tag displayed on a 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.

CLASS 1011. Scrapbooking Card Making – Intermediate
Exhibit will consist of the following:

A. Completed Scrapbooking e-Record presented in a sturdy binder/notebook with completed Technique Reflection Page and required number of activities completed.

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.

CLASS 1012. Scrapbooking Card Making – Senior
Exhibit requirements the same as for CLASS 1011.

DEPT. M – VISUAL ARTS

> **Note: Please read 4-H Project Exhibit Rules on page 5.**
>
> Exhibit your best Art Design.
>
> There is no limit for years of participation in a unit. **Drawings and paintings must be no larger than 16" x 24" when framed and submitted for judging ready to hang for display.** Ready to Hang for pictures means wire is secured and heavy enough to hold the picture. (Ex: with D-rings and screws.) Do not use tape or sawtooth hangers.
>
> 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 1101 Portfolio Pathways – Paintings & Printing – Junior
Exhibit will consist of the following:

A. Completed Visual Arts 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" when framed and **ready to hang**. Oil or acrylic paintings may be framed **without** glass. Watercolor paintings should use small matte and be framed with glass. The framed watercolor should not be larger than 16" x 24".

E. Graphic Design exhibit can be a logo or a self-portrait, a blog, advertisement, website, CD or DVD label, optical illusion, or a notebook of your graphic designs, etc. Use of Artificial Intelligence in the creation or editing of images must be cited in your story.

CLASS 1102. Portfolio Pathways – Paintings & Printing – Intermediate
Exhibit requirements the same as for CLASS 1101.

CLASS 1103. Portfolio Pathways – Paintings & Printing – Senior
Exhibit requirements the same as for CLASS 1101.

CLASS 1104. Portfolio Pathways – Graphic Design – Junior
Exhibit requirements the same as for CLASS 1101.

CLASS 1105. Portfolio Pathways – Graphic Design – Intermediate
Exhibit requirements the same as for CLASS 1101.

CLASS 1106. Portfolio Pathways – Graphic Design – Senior
Exhibit requirements the same as for CLASS 1101.

CLASS 1107. Sketchbook Crossroads – Drawing – Junior
Exhibit will consist of the following:

A. Completed Visual Arts 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 with glass and ready to hang. Fiber art may be framed without glass and ready to hang and no larger than 16" x 24".

CLASS 1108. Sketchbook Crossroads – Drawing – Intermediate
Exhibit requirements the same as for CLASS 1107.

CLASS 1109. Sketchbook Crossroads – Drawing – Senior
Exhibit requirements the same as for CLASS 1107.

CLASS 1110. Sketchbook Crossroads – Fiber & Sculpture – Junior
Exhibit requirements the same as for CLASS 1107.

CLASS 1111. Sketchbook Crossroads – Fiber & Sculpture – Intermediate
Exhibit requirements the same as for CLASS 1107.

CLASS 1112. Sketchbook Crossroads – Fiber & Sculpture – Senior
Exhibit requirements the same as for CLASS 1107.

MECHANICAL SCIENCE

DEPT. M – COMPUTER SCIENCE

Note: Please read 4-H Project Exhibit Rules on page 5.

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, but not both.

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

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

    Advanced Programming – an original program using a higher-level programming language such as Python, Javascript, Java, C++, etc.

LEVEL 1 – DISCOVERING COMPUTER SCIENCE & PROGRAMMING THROUGH SCRATCH

CLASS 1901. Level 1 Computer Science – Display Board – Junior
Exhibit will consist of the following:

A. One sturdy binder/notebook that contains the *Discovering Computer Science & Programming Through Scratch* student notebook and completed Computer Science 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 boad.

CLASS 1902. Level 1 Computer Science – Display Board – Intermediate
Exhibit requirements the same as for CLASS 1901.

CLASS 1903. Level 1 Computer Science – Display Board – Senior
Exhibit requirements the same as for CLASS 1901.

CLASS 1904. Level 1 Computer Science – Beginning Programming – Junior
Exhibit will consist of the following:

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

B. A printed copy of a digital presentation is required and placed in the e-Record. Electronic equipment will only be used during judging time and will not remain on display during Fair. Programs available online (such as Scratch) should include a link to the specific project you have created.

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

CLASS 1905. Level 1 Computer Science – Beginning Programming – Intermediate
Exhibit requirements the same as for CLASS 1904.

CLASS 1906. Level 1 Computer Science – Beginning Programming – Senior
Exhibit requirements the same as for CLASS 1904.

LEVEL 2 – DISCOVERING COMPUTER SCIENCE & PROGRAMMING THROUGH SCRATCH

CLASS 1907. Level 2 Computer Science – Display Board – Intermediate
Exhibit will consist of the following:

A. One sturdy binder/notebook that contains the *Discovering Computer Science & Programming Through Scratch* student notebook and completed Computer Science 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.

CLASS 1908. Level 2 Computer Science – Display Board – Senior
Exhibit requirements the same as for CLASS 1907.

CLASS 1909. Level 2 Computer Science – Intermediate Programming – Intermediate
Exhibit will consist of the following:

A. One sturdy binder/notebook that contains the *Discovering Computer Science & Programming Through Scratch* student notebook and completed Computer Science 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 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 uncomplicated 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). If using Scratch, include a clone or list in the program.

CLASS 1910. Level 2 Computer Science – Intermediate Programming – Senior
Exhibit requirements the same as for CLASS 1909.

LEVEL 3 – DISCOVERING COMPUTER SCIENCE & PROGRAMMING THROUGH SCRATCH

CLASS 1911. Level 3 Computer Science – Display Board – Intermediate
Exhibit will consist of the following:

A. One sturdy binder/notebook that contains the *Discovering Computer Science & Programming Through Scratch Level 3: Recursion* manual and completed Computer Science 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.

CLASS 1912. Level 3 Computer Science – Display Board – Senior
Exhibit requirements the same as for CLASS 1911.

CLASS 1913. Level 3 Computer Science – Advanced Programming – Intermediate
Exhibit will consist of the following:

A. One sturdy binder/notebook that contains the *Discovering Computer Science & Programming Through Scratch Level 3: Recursion* manual and completed Computer Science 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 Fair. Programs available online (such as Scratch) should include a link to the specific project you have created.

   Advanced Programming – create a program using a control or event block that controls other blocks of code OR an original program using a higher-level programming language such as Python, Javascript, Java, C++, etc.

CLASS 1914. Level 3 Computer Science – Advanced Programming – Senior
Exhibit requirements the same as for CLASS 1913.

COMPUTER SCIENCE AND CODING

CLASS 1915. Computer Science & Coding – Display Board – Intermediate
Exhibit will consist of the following:

A. One sturdy binder/notebook that contains the completed Computer Science e-Record.

B. A display board illustrating a topic learned as a part of the 4-H project. Use the *Everything You Need to Ace Computer Science and Coding in One Big Fat Notebook* resource for ideas. 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 display board. (You may create a display board with information about your program or website with screen capture images illustrating what you have learned.)

CLASS 1916. Computer Science & Coding – Display Board – Senior
Exhibit requirements the same as for CLASS 1915.

CLASS 1917. Computer Science & Coding – Programming – Intermediate
Exhibit will consist of the following:

A. One sturdy binder/notebook that contains the completed Computer Science e-Record.

B. An original program using Scratch or Python using variables, conditional statements, and loops. The program should be more advanced than programs created in previous programming units.

CLASS 1918. Computer Science & Coding – Programming – Senior
Exhibit requirements the same as for CLASS 1917.

CLASS 1919. Computer Science & Coding – Website – Intermediate
Exhibit will consist of the following:

A. One sturdy binder/notebook that contains the completed Computer Science e-Record.

B. Submit text document(s) with your HTML code/CSS for the website you designed that can be viewed on a laptop or a handheld device. Include screen capture images of your website along with the code. Use Unit 8 in the *Everything You Need to Ace Computer Science and Coding in One Big Fat Notebook* resource for information. In your e-Record story, be sure to address how you would provide cyber security for your website.

CLASS 1920. Computer Science & Coding – Website – Senior
Exhibit requirements the same as for CLASS 1919.

DEPT. M – ELECTRICITY

Note: Please read 4-H Project Exhibit Rules on page 5.

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

CLASS 2001. 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 bult, 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.

CLASS 2002. UNIT 1 – Magic of Electricity – Intermediate
Exhibit requirements the same as for CLASS 2001.

CLASS 2003. UNIT 1 – Magic of Electricity – Senior
Exhibit requirements the same as for CLASS 2001.

CLASS 2004. 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.

CLASS 2005. UNIT 2 – Investigating Electricity – Intermediate
Exhibit requirements the same as for CLASS 2004.

CLASS 2006. UNIT 2 – Investigating Electricity – Senior
Exhibit requirements the same as for CLASS 2004.

CLASS 2007. 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 size of 4' x 3' is to be used for 4-H projects. No additional items may be included in front of display board.

CLASS 2008. UNIT 3 – Wired for Power – Intermediate
Exhibit requirements the same as for CLASS 2007.

CLASS 2009. UNIT 3 – Wired for Power – Senior
Exhibit requirements the same as for CLASS 2007.

CLASS 2010. 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.

DEPT. M – METALWORKING

Note: Please read 4-H Project Exhibit Rules on page 5.

The following types of projects 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). Make sure exhibits are safe to handle with no sharp protruding parts.

For ideas, tips, and answers to frequently asked questions, please see the Metalwork Tip Sheet at Metalworking Project and Tip Sheet (colostate.edu).

CLASS 2101. UNIT 1 – Intro to Metalwork – Junior
Exhibit will consist of the following:

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

B. Exhibit the following:
1. One each of the three required weld samples in addition to your project: **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 ¼" 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' and 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)

CLASS 2102. UNIT 1 – Intro to Metalwork – Intermediate
Exhibit requirements the same as for CLASS 2101.

CLASS 2103. UNIT 1 – Intro to Metalwork – Senior
Exhibit requirements the same as for CLASS 2101.

CLASS 2104. UNIT 2 – Metal Fabrication – Junior
Exhibit will consist of the following:

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

B. Exhibit the following:
1. An exhibit project up to 3' x3' x7' 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 (no 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)

CLASS 2105. UNIT 2 – Metal Fabrication – Intermediate
Exhibit requirements the same as for CLASS 2104.

CLASS 2106. UNIT 2 – Metal Fabrication – Senior
Exhibit requirements the same as for CLASS 2104.

CLASS 2107. UNIT 3 – Advanced Metal Fabrication – Junior
Exhibit will consist of the following:

A. A completed Metalworking 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)

CLASS 2108. UNIT 3 – Advanced Metal Fabrication – Intermediate
Exhibit requirements the same as for CLASS 2107.

CLASS 2109. UNIT 3 – Advanced Metal Fabrication – Senior
Exhibit requirements the same as for CLASS 2107.

CLASS 2110. UNIT 4 – Large Exhibit Metal Fabrication – Junior
Exhibit will consist of the following:

A. Completed Metalworking 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.)

CLASS 2111. UNIT 4 – Large Exhibit Metal Fabrication – Intermediate
Exhibit requirements the same as for CLASS 2110.

CLASS 2112. UNIT 4 – Large Exhibit Metal Fabrication – Senior
Exhibit requirements the same as for CLASS 2110.

DEPT. M – MODEL ROCKETRY

Note: Please read 4-H Project Exhibit Rules on page 5.

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. Each unit level will list what type of fins (single-piece or multi-piece) and what type of material (plastic, balsa or basswood, plywood, composite, or fiberglass) may be used for the exhibit rocket. Fins in all units must be finished with paint except for clear fins used with scale or novelty rockets. No plastic fins for Units 1-3.

3. Unit 4 members may build helicopter and glider recovery rocket kits.

4. Rocket design cannot include humanoid characteristics or representations (like dolls). Any toy or 3D human or animal representation can only be in the payload section of the model rocket. Any object displayed (and launched) with the rocket should be non-living.

5. Rockets are to be displayed and held vertically by a substantial rod (not a coat hanger rod) or wood support (like an unpainted dowel rod that fits into the motor mount cavity snugly.) The base board should be heavier than the rocket and appropriate to the size of the rocket, not to exceed 12" x 12" x 1" thick. Only the rocket will be judged. The base, at minimum, must be sanded to eliminate splinters. Optionally, the base could be clear coated or painted with up to three colors. 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, along with the 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.

12. For each rocket used during your project, including your exhibit rocket, make a copy of the Model Rocketry Information page of the e-Record. Include the following information for each rocket on a page of its own:
    a. Exhibit manufacturer and model name
    b. Skill level
    c. Number of fins and fin material
    d. Recovery system type
    e. Where the rocket is from (i.e., stock kit)
    f. Rocket power
    g. fuselage type
    h. Engine information: engine type, engine code, label color

13. If you launched any of the rockets used in your project, provide the following information on the Model Rocketry Information page under "Rocket Launch Information."
    a. Number of times launched
    b. Type of launch pad used
    c. King of electrical system used
    d. Tracking method used if applicable
    e. Altitude achieved (optional)
    f. Observer's distance from rocket (observations of rocket stability, flight path, etc.; any special problems before, during and after launching)
    g. Did you have any special problems before, during and after launching?
    h. What did you do to overcome the problems you encountered? Were any modifications made?

CLASS 2201. UNIT 1 – Introduction to Rocketry – Junior
Exhibit will consist of the following:

A. Completed Model Rocketry e-Record, including the Model Rocketry information page, presented in a sturdy binder/notebook.

B. One rocket personally built or other display related to work done in Unit 1. The rocket must be a Skill Level 1, beginner, basic, Estes Intermediate type rocket meeting at maximum these criteria:
   1. Three to four wood fins
   2. Parachute or streamer recovery system
   3. Single-stage A3 to B6 (first flight) recommended motor size

CLASS 2202. UNIT 1 – Introduction to Rocketry – Intermediate
Exhibit requirements the same as for CLASS 2201.

CLASS 2203. UNIT 1 – Introduction to Rocketry – Senior
Exhibit requirements the same as for CLASS 2201.

CLASS 2204. UNIT 2 – Basic Model Rocketry – Junior
Exhibit will consist of the following:

A. Completed Model Rocketry e-Record, including the Model Rocketry information page, presented in a sturdy binder/notebook.

B. One rocket personally built or display related to work done in Unit 2. The rocket must be a Skill Level II, Intermediate, Estes Advanced type of rocket meeting at maximum these criteria:
   1. Three to eight wood fins, including canard fins
   2. Parachute or streamer recovery system
   3. Single-stage motor (A3 up to C11 first flight recommended motor size)

CLASS 2205. UNIT 2 – Basic Model Rocketry – Intermediate
Exhibit requirements the same as for CLASS 2204.

CLASS 2206. UNIT 2 – Basic Model Rocketry – Senior
Exhibit requirements the same as for CLASS 2204.

CLASS 2207. UNIT 3 – Intermediate Model Rocketry – Junior
Exhibit will consist of the following:

A. Completed Model Rocketry e-Record, including the Model Rocketry information page, with completed questions in manual pages 31-35 (Note: This manual is being updated. If page numbers change, 4-H members will be notified.) presented in a sturdy binder/notebook.

B. One rocket personally built in unit or display related to work done in Unit 3. The rocket must be a Skill Level III (Estes Expert) type rocket meeting 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)

CLASS 2208. UNIT 3 – Intermediate Model Rocketry – Intermediate
Exhibit requirements the same as for CLASS 2207.

CLASS 2209. UNIT 3 – Intermediate Model Rocketry – Senior
Exhibit requirements the same as for CLASS 2207.

CLASS 2210. UNIT 4 – Advanced Model Rocketry – Junior
Exhibit will consist of the following:

A. Completed Model Rocketry e-Record, including the Model Rocketry information page, with completed questions in manual [ages 14-18 (Note: This manual is being updated. If page numbers change, 4-H members will be notified.) presented in a sturdy binder/notebook.

B. One rocket personally built in unit or display related to work done in Unit 4. The rocket can be from Skill Level 1 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)

CLASS 2211. UNIT 4 – Advanced Model Rocketry – Intermediate
Exhibit requirements the same as for CLASS 2210.

CLASS 2212. UNIT 4 – Advanced Model Rocketry – Senior
Exhibit requirements the same as for CLASS 2210.

CLASS 2213. UNIT 6 – Designer Model Rocketry – Intermediate
Exhibit will consist of the following:

A. Completed Model Rocketry e-Record with design worksheets and completed questions in manual on pages 35-39, presented in a sturdy binder/notebook. Include a copy of the plans or blueprints on how to build the rocket. If you used any software, such as an Excel spreadsheet, include that in your binder/notebook.

B. If a rocket was launched, provide the following information on the Model Rocketry page:
   1. Number of times successfully launched; kind of launch pad used.
   2. Kind of electrical system used.
   3. Tracking method used.
   4. Observer's distance from rocket; observations of rocket stability, flight path, 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.

CLASS 2214. UNIT 6 – Designer Model Rocketry – Senior
Exhibit requirements the same as for CLASS 2213.

DEPT. M – ROBOTICS

Note: Please read 4-H Project Exhibit Rules on page 5.

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: Ardunio Kits, Brushbot, Make, Hexy, Pushbutton Programmable Robotic Kit, Sparky, Cubelets, Robotic Arm Edge, Sparkfun Red Bot, Multiplo, TETRIX, CEENBot, and VEX, current and discontinued LEGO Robotics kits with programmable robots including EV3, WeDo, NXT, SPIKE prime, Mindstorm, and Boost.

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 as a team in the Team Robotics Unit exhibit individual display boards covering what they learned in the unit. Youth from any Platforms level may enter in the Team Robotics unit if they are working as a team.

JUNK DRAWER ROBOTICS & ENGINEERING

DISPLAY BOARD EXHIBITS

CLASS 2301. 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.

CLASS 2302. UNIT 1 – Give Robotics a Hand – Intermediate
Exhibit requirements the same as for CLASS 2301.

CLASS 2303. UNIT 1 – Give Robotics a Hand – Senior
Exhibit requirements the same as for CLASS 2301.

STAND-ALONE EXHIBITS

CLASS 2304. 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).

CLASS 2305. UNIT 1 – Give Robotics a Hand – Intermediate
Exhibit requirements the same as for CLASS 2304.

CLASS 2306. UNIT 1 – Give Robotics a Hand – Senior
Exhibit requirements the same as for CLASS 2304.

DISPLAY BOARD EXHIBITS

CLASS 2307. 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.

CLASS 2308. UNIT 2 – Robots on the Move – Intermediate
Exhibit requirements the same as for CLASS 2307.

CLASS 2309. UNIT 2 – Robots on the Move – Senior
Exhibit requirements the same as for CLASS 2307.

STAND-ALONE EXHIBITS

CLASS 2310. 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.)

CLASS 2311. UNIT 2 – Robots on the Move – Intermediate
Exhibit requirements the same as for CLASS 2310.

CLASS 2312. UNIT 2 – Robots on the Move – Senior
Exhibit requirements the same as for CLASS 2310.

DISPLAY BOARD EXHIBITS

CLASS 2313. 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.

CLASS 2314. UNIT 3 – Mechatronics – Intermediate
Exhibit requirements the same as for CLASS 2313.

CLASS 2315. UNIT 3 – Mechatronics – Senior
Exhibit requirements the same as for CLASS 2313.

STAND-ALONE EXHIBITS

CLASS 2316. 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.)

CLASS 2317. UNIT 3 – Mechatronics – Intermediate
Exhibit requirements the same as for CLASS 2316.

CLASS 2318. UNIT 3 – Mechatronics – Senior
Exhibit requirements the same as for CLASS 2316.

ROBOTICS PLATFORMS

DISPLAY BOARD EXHIBITS

CLASS 2319. 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.

CLASS 2320. UNIT 4 – Level 1 – Intermediate
Exhibit requirements the same as for CLASS 2319.

CLASS 2321. UNIT 4 – Level 1 – Senior
Exhibit requirements the same as for CLASS 2319.

CLASS 2322. UNIT 5 – Level 2 – 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.

CLASS 2323. UNIT 5 – Level 2 – Intermediate
Exhibit requirements the same as for CLASS 2322.

CLASS 2324. UNIT 5 – Level 2 – Senior
Exhibit requirements the same as for CLASS 2322.

CLASS 2325. 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.

CLASS 2326. UNIT 6 – LEVEL 3 – Intermediate
Exhibit requirements the same as for CLASS 2325.

CLASS 2327. UNIT 6 – LEVEL 3 – Senior
Exhibit requirements the same as for CLASS 2325.

TEAM ROBOTICS

CLASS 2328. 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.

CLASS 2329. UNIT 7 – Intermediate
Exhibit requirements the same as for CLASS 2328.

CLASS 2330. UNIT 7 – Senior
Exhibit requirements the same as for CLASS 2328.

DEPT. M – SMALL ENGINES

Note: Please read 4-H Project Exhibit Rules on page 5.

CLASS 2401. 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.

CLASS 2402. UNIT 1 – Crank it Up – Intermediate
Exhibit requirements the same as for CLASS 2401.

CLASS 2403. UNIT 1 – Crank it Up – Senior
Exhibit requirements the same as for CLASS 2401.

CLASS 2404. 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.

CLASS 2405. UNIT 2 – Warm it Up – Intermediate
Exhibit requirements the same as for CLASS 2404.

CLASS 2406. UNIT 2 – Warm it Up – Senior
Exhibit requirements the same as for CLASS 2404.

CLASS 2407. 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.

CLASS 2408. UNIT 3 – Tune it Up – Intermediate
Exhibit requirements the same as for CLASS 2407.

CLASS 2409. UNIT 3 – Tune it Up – Senior
Exhibit requirements the same as for CLASS 2407.

CLASS 2410. UNIT 4 – Advanced Small Engines – Intermediate
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.

CLASS 2411. UNIT 4 – Advanced Small Engines – Senior
Exhibit requirements the same as for CLASS 2410.

DEPT. M – WOODWORKING

Note: Please read 4-H Project Exhibit Rules on page 5.

Unit 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. Make sure exhibits are safe to handle with no sharp protruding parts.

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

CLASS 2501. UNIT 1 – Measuring Up – Junior

NOTE: Use hand tools only. Articles made with tools other than hand tools will be not 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.

CLASS 2502. UNIT 1 – Measuring Up – Intermediate
Exhibit requirements the same as for CLASS 2501.

CLASS 2503. UNIT 1 – Measuring Up – Senior
Exhibit requirements the same as for CLASS 2501.

CLASS 2504. UNIT 2 – Making the Cut – Junior

NOTE: Allowed tools 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 2501.

CLASS 2505. UNIT 2 – Making the Cut – Intermediate
Exhibit requirements the same as for CLASS 2501.

CLASS 2506. UNIT 2 – Making the Cut – Senior
Exhibit requirements the same as for CLASS 2501.

CLASS 2507. UNIT 3 – Nailing it Together – Junior

NOTE: Allowed tools are: hand tools, power hand drill, miter box, jigsaw, scroll saw, power sanders, table saw, drill press, band saw, rabbet plane, jointer and router. Articles made with power tools other than those listed will not be ranked in the top ten placings at State Fair.

Exhibit requirements the same as for CLASS 2501.

CLASS 2508. UNIT 3 – Nailing it Together – Intermediate
Exhibit requirements the same as for CLASS 2501.

CLASS 2509. UNIT 3 – Nailing it Together – Senior
Exhibit requirements the same as for CLASS 2501.

CLASS 2510. 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 2501.

CLASS 2511. UNIT 4 – Finishing Up – Intermediate
Exhibit requirements the same as for CLASS 2501.

CLASS 2512. UNIT 4 – Finishing Up – Senior
Exhibit requirements the same as for CLASS 2501.

NATURAL RESOURCES

DEPT. M – BEEKEEPING

> **Note: Please read 4-H Project Exhibit Rules on page 5.**

CLASS 2601. UNIT 1 – Beekeeping – Junior
Exhibit will consist of the following:

A. Completed Beekeeping Unit 1 Display Board 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.

CLASS 2602. UNIT 1 – Beekeeping – Intermediate
Exhibit requirements the same as for CLASS 2601.

CLASS 2603. UNIT 1 – Beekeeping – Senior
Exhibit requirements the same as for CLASS 2601.

CLASS 2604. UNIT 2 – Beekeeping – Junior
Exhibit will consist of the following:

A. One sturdy binder/notebook that contains the completed Beekeeping Units 1-3 Display Board e-Record if you did not keep a hive… OR …the Beekeeping Units 2-4 e-Record if you did keep a hive.

B. Exhibit:
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.

CLASS 2605, UNIT 2 – Beekeeping – Intermediate
Exhibit requirements the same as for CLASS 2604.

CLASS 2606. UNIT 2 – Beekeeping – Senior
Exhibit requirements the same as for CLASS 2604.

UNIT 2 – STAND ALONE EXHIBITS

CLASS 2607. **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 shown in **two eight-ounce glass jars by volume** (preferably a smooth and clear canning jar so the judge can see the clarity and quality of the honey) with screw top lids. Both jars must be filled to the same level up to the neck of the jars. Jars must be labeled on the bottom of the jar with name, county, class, where honey was extracted and date.

CLASS 2608. UNIT 2 – Extracted Honey – Intermediate
Exhibit requirements the same as for CLASS 2607.

CLASS 2609. UNIT 2 – Extracted Honey – Senior
Exhibit requirements the same as for CLASS 2607.

CLASS 2610. 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 glass jars, wide mouth opening). Jars must be labeled on the bottom with name, county, class, where honey was taken, and date.

CLASS 2611. UNIT 2 – Chunk Honey – Intermediate
Exhibit requirements the same as for CLASS 2610.

CLASS 2612. UNIT 2 – Chunk Honey – Senior
Exhibit requirements the same as for CLASS 2610.

CLASS 2613. 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 placed in two 4½" x 4½" in size boxes. Boxes must be labeled on the bottom with name, county, class, where honey was taken, and date.

CLASS 2614. UNIT 2 – Cut Comb Honey – Intermediate
Exhibit requirements the same as for CLASS 2613.

CLASS 2615. UNIT 2 – Cut Comb Honey – Senior
Exhibit requirements the same as for CLASS 2613.

CLASS 2616. 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 on the bottom or back of the display with name, county, class, and description of item. Display must fit within a 3' x 3' x 7' space.

CLASS 2617. UNIT 2 – Wooden Ware – Intermediate
Exhibit requirements the same as for CLASS 2616.

CLASS 2618. UNIT 2 – Wooden Ware – Senior
Exhibit requirements the same as for CLASS 2616.

CLASS 2619. UNIT 3 – Beekeeping – Junior
Exhibit will consist of the following:

A. One sturdy binder/notebook that contains the completed Beekeeping Units 1-3 Display Board e-Record if you did not keep a hive… OR …the Beekeeping Units 2-4 e-Record if you did keep a hive.

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 or in a notebook. The standard 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.

CLASS 2620. UNIT 3 – Beekeeping – Intermediate
Exhibit requirements the same as for CLASS 2619.

CLASS 2621. UNIT 3 – Beekeeping – Senior
Exhibit requirements the same as for CLASS 2619.

UNIT 3 – STAND ALONE EXHIBITS

CLASS 2622. 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 shown in **two eight-ounce glass jars by volume** (preferably a smooth and clear canning jar, so the judge can see the clarity and quality of the honey) with screw top lids. Both jars must be filled to the same level up to the neck of the jar. Jars must be labeled on the bottom of the jar with the name, county, class, where honey was taken, and date.

CLASS 2623. UNIT 3 – Extracted Honey – Intermediate
Exhibit requirements the same as for CLASS 2622.

CLASS 2624. UNIT 3 – Extracted Honey – Senior
Exhibit requirements the same as for CLASS 2622.

CLASS 2625. 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 glass jars (wide mouth opening). Jars must be labeled on the bottom with name, county, class, where honey was taken, and date.

CLASS 2626. UNIT 3 – Chunk Honey – Intermediate
Exhibit requirements the same as for CLASS 2625.

CLASS 2627. UNIT 3 – Chunk Honey – Senior
Exhibit requirements the same as for CLASS 2625.

CLASS 2628. 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 – placed in two 4½" x 4½" size boxes. Boxes must be labeled on the bottom with name, county, class, where honey was taken, and date.

CLASS 2629. UNIT 3 – Cut-Comb Honey – Intermediate
Exhibit requirements the same as for CLASS 2628.

CLASS 2630. UNIT 3 – Cut-Comb Honey – Senior
Exhibit requirements the same as for CLASS 2628.

CLASS 2631. 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.

CLASS 2632. UNIT 3 – Comb Honey – Intermediate
Exhibit requirements the same as for CLASS 2631.

CLASS 2633. UNIT 3 – Comb Honey – Senior
Exhibit requirements the same as for CLASS 2631.

CLASS 2634. 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 on the bottom or back of the display with name, county, class, and description of item. Display must fit within a 3' x 3' x 7' space.

CLASS 2635. UNIT 3 – Wooden Ware – Intermediate
Exhibit requirements the same as for CLASS 2634.

CLASS 2636. UNIT 3 – Wooden Ware – Senior
Exhibit requirements the same as for CLASS 2634.

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

CLASS 2637. 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 2' x 2' x 2' area or consist of more than three items. A label must be on the back of the notebook and if an additional item is displayed, put another label on the back or bottom of the item.

CLASS 2638. UNIT 4 – Advanced Beekeeping – Senior
Exhibit requirements the same as for CLASS 2637.

DEPT. M – ENTOMOLOGY

Note: Please read 4-H Project Exhibit Rules on page 5.

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. Level 1 and Unit 7 have a display board option as well as an insect collection option. For Level 1, Unit 1 may be skipped if first year members want to do a collection. Unit 2 may be repeated for two years to build their beginner collection.

2. Each year 4-H members build on their collection by adding new insects as required by that unit. More than one box may be used to display your collection. Refer to the exhibit requirements for the number of insects to collect for that unit.

3. Acceptable sizes of hand-made Entomology Display Boxes taken from the manual and kit:

   > 12"W x 16"L x 3"Deep
   > 12"W x 18"L x 3½"Deep
   > 18"W x 24"L x 3½"Deep

4. Also acceptable are commercially available or the following industry standard entomology display box sizes. (Boxes that are 3" or 3 ½" deep are recommended to fit all insect pins.)

   a. California: 19" W x 17" L x 2 ½" deep
   b. Cornell: 19" W x 16 ½" L x 3" deep
   c. KU: 19" W x 19" L x 3" deep
   d. USNM: 18" W x 18" L x 3" deep

5. 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.

6. Regular insect pins are required in all units.

7. On **Unit 2** through **Unit 7** classes, the insect display must include two labels attached to insect pins. The first label should have the date and location where insects were collected. The second label should have the family/common name of the insect pinned.

8. Larvae should not be included in your collection until Unit 6.

9. Unit 7 may be repeated more than one year with a different special collection or display board each year.

10. It is permissible but not required to collect insects outside of Colorado. However, if you do travel to collect insects, at least 75% of your collection should be from in state.

DISPLAY BOARD CLASSES

CLASS 2701. UNIT 1 – Learning About Insects – Junior
Exhibit will consist of the following:

A. Completed e-Record, "Teaming with Insects" manual (or copies of relevant pages from the manual), and the Entomology Workbook: 4-H Project Supplement presented in a sturdy binder/notebook.

B. Do a minimum of eight activities of any combination from your unit's "Teaming with Insects" manual and/or your unit's section of the Entomology Workbook. Include the Entomology Activity Log Sheet listing which activities you did, which book the activity is from, and the date completed.

C. 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.

CLASS 2702. UNIT 1 – Learning About Insects – Intermediate
Exhibit requirements the same as for CLASS 2701.

CLASS 2703. UNIT 1 – Learning About Insects – Senior
Exhibit requirements the same as for CLASS 2701.

INSECT COLLECTION CLASSES

CLASS 2704. LEVEL 1 – UNIT 2 – Beginner Collection – Junior
Exhibit will consist of the following:

A. Completed e-Record, "Teaming with Insects" manual (or copies of relevant pages from the manual), and the Entomology Workbook: 4-H Project Supplement presented in a sturdy binder/notebook.

B. Do a minimum of eight activities of any combination from your unit's "Teaming with Insects" manual and/or your unit's section of the Entomology Workbook. Include the Entomology Activity Log Sheet listing which activities you did, which book the activity is from, and the date completed.

C. Insect collections – display no fewer than 25 and no more than 75 adult insects in at least 4 different orders. Standard-sized display boxes with removable glass covers are required. Regular insect pins are required.

CLASS 2705. LEVEL 1 – UNIT 2 – Beginner Collection – Intermediate
Exhibit requirements the same as for CLASS 2704.

CLASS 2706. LEVEL 1 – UNIT 2 – Beginner Collection – Senior
Exhibit requirements the same as for CLASS 2704.

CLASS 2707. LEVEL 2 – UNIT 3 – Beginner Entomologist – Junior
Exhibit will consist of the following:

A. Completed e-Record, "Teaming with Insects" manual (or copies of relevant pages from the manual), and the Entomology Workbook: 4-H Project Supplement presented in a sturdy binder/notebook.

B. Do a minimum of eight activities of any combination from your unit's "Teaming with Insects" manual and/or your unit's section of the Entomology Workbook. Include the Entomology Activity Log Sheet listing which activities you did, which book the activity is from, and the date completed.

C. Insect collection – display no fewer than 50 and no more than 100 insects including a representative from at least 6 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.

D. Include a special collection of at least eight different kinds of insects. Place these in a separate area of your display box or in a separate box. The insects in the special collection count toward the total number of insects needed for this unit.

CLASS 2708. LEVEL 2 – UNIT 3 – Beginner Entomologist – Intermediate
Exhibit requirements the same as for CLASS 2707.

CLASS 2709. LEVEL 2 – UNIT 3 – Beginner Entomologist – Senior
Exhibit requirements the same as for CLASS 2707.

CLASS 2710. LEVEL 2 – UNIT 4 – Beginner Entomologist Year 2 – Junior
Exhibit will consist of the following:

A. Completed e-Record, "Teaming with Insects" manual (or copies of relevant pages from the manual), and the Entomology Workbook: 4-H Project Supplement presented in a sturdy binder/notebook.

B. Do a minimum of eight activities of any combination from your unit's "Teaming with Insects" manual and/or your unit's section of the Entomology Workbook. Include the Entomology Activity Log Sheet listing which activities you did, which book the activity is from, and the date completed.

C. Report on at least three "Dig Deeper" special activities in the manual that you completed and include them in the e-Record before the story.

D. Insect collection – display no fewer than 75 and no more than 125 insects including a representative from at least eight different orders. Standard-sized display boxes with removable glass covers are required. Regular insect pins are required.

CLASS 2711. LEVEL 2 – UNIT 4 – Beginner Entomologist Year 2 – Intermediate
Exhibit requirements the same as for CLASS 2710.

CLASS 2712. LEVEL 2 – UNIT 4 – Beginner Entomologist Year 2 – Senior
Exhibit requirements the same as for CLASS 2710.

CLASS 2713. LEVEL 3 – UNIT 5 – Insect Investigations – Junior
Exhibit will consist of the following:

A. Completed e-Record, "Teaming with Insects" manual (or copies of relevant pages from the manual), and the Entomology Workbook: 4-H Project Supplement presented in a sturdy binder/notebook.

B. Do a minimum of eight activities of any combination from your unit's "Teaming with Insects" manual and/or your unit's section of the Entomology Workbook. Include the Entomology Activity Log Sheet listing which activities you did, which book the activity is from, and the date completed.

C. Report on at least three "Dig Deeper" special activities in the manual that you completed and include them in the e-Record before the story.

D. Insect collection – display no fewer than 100 and no more than 150 insects in ten different, correctly labeled orders. Standard-sized display boxes with removable glass covers are required. Regular insect pins are required.

CLASS 2714. LEVEL 3 – UNIT 5 – Insect Investigations – Intermediate
Exhibit requirements the same as for CLASS 2713.

CLASS 2715. LEVEL 3 – UNIT 5 – Insect Investigations – Senior
Exhibit requirements the same as for CLAS 2713.

CLASS 2716. LEVEL 3 – UNIT 6– Immature Insects & Life Stages – Junior
Exhibit will consist of the following:

A. Completed e-Record, "Teaming with Insects" manual (or copies of relevant pages from the manual), and the Entomology Workbook: 4-H Project Supplement presented in a sturdy binder/notebook.

B. Do a minimum of eight activities of any combination from your unit's "Teaming with Insects" manual and/or your unit's section of the Entomology Workbook. Include the Entomology Activity Log Sheet listing which activities you

did, which book the activity is from, and the date completed.

C. Display your regular insect collection. Your collection should include no more than 200 insects.

D. Display a collection of at least 10 larvae or immature insects in vials of rubbing alcohol, hand sanitizer or similar preservation.

CLASS 2717. LEVEL 3 – UNIT 6 – Immature Insects & Life Stages – Intermediate
Exhibit requirements the same as for CLASS 2716.

CLASS 2718. LEVEL 3 – UNIT 6 – Immature Insects & Life Stages – Senior
Exhibit requirements the same as for CLASS 2716.

CLASS 2719. UNIT 7 – Exploring with Insects Advanced – Junior
Exhibit will consist of the following:

A. Completed Entomology e-Record with emphasis on your accomplishments in the story.

B. Display your regular insect collection. Your collection should include no more than 250 insects.

C. Display a special collection of beetles, flies, grasshoppers, butterflies or some other order. Display at least 50 insects with no more than two of the same species. Give information on your special collection in your story.

OR

A display board or stand-alone item representing some phase of your advanced project work. This could include a chart or information on an area you have researched, or special equipment used or developed. The standard display board of 4' x 3' is to be used with the 4-H projects.

CLASS 2720. UNIT 7 – Exploring with Insects Advanced – Intermediate
Exhibit requirements the same as for CLASS 2719.

CLASS 2721. UNIT 7 – Exploring with Insects Advanced – Senior
Exhibit requirements the same as for CLASS 2719.

DEPT. M – GARDENING

> **Note: Please read 4-H Project Exhibit Rules on page 5.**
>
> 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 2801. 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 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.

CLASS 2802. UNIT 1 – See Them Sprout – Intermediate
Exhibit requirements the same as for CLASS 2801.

CLASS 2803. UNIT 1 – See Them Sprout – Senior
Exhibit requirements the same as for CLASS 2801.

CLASS 2804. UNIT 2 – Let's Get Growing – Junior
Exhibit requirements the same as for CLASS 2801.

CLASS 2805. UNIT 2 – Let's Get Growing – Intermediate
Exhibit requirements the same as for CLASS 2801.

CLASS 2806. UNIT 2 – Let's Get Growing – Senior
Exhibit requirements the same as for CLASS 2801.

CLASS 2807. UNIT 3 – Take Your Pick – Junior
Exhibit requirements the same as for CLASS 2801.

CLASS 2808. UNIT 3 – Take Your Pick – Intermediate
Exhibit requirements the same as for CLASS 2801.

CLASS 2809. UNIT 3 – Take Your Pick – Senior
Exhibit requirements the same as for CLASS 2801.

CLASS 2810. UNIT 4 – Growing Profits, Advanced – Senior
Exhibit requirements the same as for CLASS 2801.

CLASS 2908. UNIT 3 – Backpacking Expeditions – Intermediate
Exhibit requirements the same as for CLASS 2901.

CLASS 2909. UNIT 3 – Backpacking Expeditions – Senior
Exhibit requirements the same as for CLASS 2901.

DEPT. M – OUTDOOR ADVENTURES

> **Note: Please read 4-H Project Exhibit Rules on page 5.**
>
> List the day, month, and year for the date of completed activities on page 4 of the manual.

CLASS 2901. UNIT 1 – Hiking Trails – Junior
Exhibit will consist of the following:

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, drawing, 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.

CLASS 2902. UNIT 1 – Hiking Trails – Intermediate
Exhibit requirements the same as for CLASS 2901.

CLASS 2903. UNIT 1 – Hiking Trails – Senior
Exhibit requirements the same as for CLASS 2901.

CLASS 2904. UNIT 2 – Camping Adventures – Junior
Exhibit requirements the same as for CLASS 2901.

CLASS 2905. UNIT 2 – Camping Adventures – Intermediate
Exhibit requirements the same as for CLASS 2901.

CLASS 2906. UNIT 2 – Camping Adventures – Senior
Exhibit requirements the same as for CLASS 2901.

CLASS 2907. UNIT 3 – Backpacking Expeditions – Junior
Exhibit requirements the same as for CLASS 2901.

DEPT. M – SPORTFISHING

> **Note: Please read 4-H Project Exhibit rules on page 5.**
>
> Exhibits may include stand-alone items such as hand-wrapped rods or hand-made lures. Please consider the toxicity of materials used in projects and their impact on fish and their surrounding environment. Be sure anything that may come into contact with fish used for consumption is made with materials that are food safe.
>
> Exhibit of record kept during the year and display illustrating a chosen aspect of skill area is required. Exhibits may include a display board or a stand-alone item such as hand-wrapped rods or hand-made lures. A display board is to be a specific skill level area related to the exhibit. When using a display board, it is strongly recommended to use photos, drawings or other illustrations rather than actual items (i.e., rods, reels, other tackle or accessories). Educational materials should not extend beyond the edges of display board. The standard 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. 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**.
>
> 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 3101. 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 offices. Be sure to remove barbs and any other sharp points.

D. No knives to be displayed

CLASS 3102. UNIT 1 – Take the Bait – Intermediate
Exhibit requirements the same as for CLASS 3101.

CLASS 3103. UNIT 1 – Take the Bait – Senior
Exhibit requirements the same as for CLASS 3101.

CLASS 3104. UNIT 2 – Reel in the Fun – Junior
Exhibit requirements the same as for CLASS 3101.

CLASS 3105. UNIT 2 – Reel in the Fun – Intermediate
Exhibit requirements the same as for CLASS 3101.

CLASS 3106. UNIT 2 – Reel in the Fun – Senior
Exhibit requirements the same as for CLASS 3101.

CLASS 3107. UNIT 3 – Cast into the Future – Junior
Exhibit requirements the same as for CLASS 3101.

CLASS 3108. UNIT 3 – Cast into the Future – Intermediate
Exhibit requirements the same as for CLASS 3101.

CLASS 3109. UNIT 3 – Cast into the Future – Senior
Exhibit requirements the same as for CLASS 3101.

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 3110. UNIT 1 – Stand Alone – Junior
Exhibit requirements the same as for CLASS 3101.

CLASS 3111. UNIT 1 – Stand Alone – Intermediate
Exhibit requirements the same as for CLASS 3101.

CLASS 3112. UNIT 1 – Stand Alone – Senior
Exhibit requirements the same as for CLASS 3101.

CLASS 3113. UNIT 2 – Stand Alone – Junior
Exhibit requirements the same as for CLASS 3101.

CLASS 3114. UNIT 2 – Stand Alone – Intermediate
Exhibit requirements the same as for CLASS 3101.

CLASS 3115. UNIT 2 – Stand Alone – Senior
Exhibit requirements the same as for CLASS 3101.

CLASS 3116. UNIT 3 – Stand Alone – Junior
Exhibit requirements the same as for CLASS 3101.

CLASS 3117. UNIT 3 – Stand Alone – Intermediate
Exhibit requirements the same as for CLASS 3101.

CLASS 3118. UNIT 3 – Stand Alone – Senior
Exhibit requirements the same as for CLASS 3101.

DEPT. M – WILDLIFE

Note: Please read 4-H Project Exhibit Rules on page 5.

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 3201. 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 are not limited 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 wildlife diorama, scrapbook with wildlife information, pictures and news, a bird feeder or bath, or wildlife track molds.

CLASS 3202. UNIT 1 – The World of Wild Roots – Intermediate
Exhibit requirements the same as for CLASS 3201.

CLASS 3203. UNIT 1 – The World of Wild Roots – Senior
Exhibit requirements the same as for CLASS 3201.

CLASS 3204. UNIT 2 – Living Wild in an Ecosystem – Junior
Exhibit requirements the same as for CLASS 3201.

CLASS 3205. UNIT 2 – Living Wild in an Ecosystem – Intermediate
Exhibit requirements the same as for CLASS 3201.

CLASS 3206. UNIT 2 – Living Wild in an Ecosystem – Senior
Exhibit requirements the same as for CLASS 3201.

CLASS 3207. UNIT 3 – Managing in a World with You & Me – Junior
Exhibit requirements the same as for CLASS 3201.

CLASS 3208. UNIT 3 – Managing in a World with You & Me – Intermediate
Exhibit requirements the same as for CLASS 3201.

CLASS 3209. UINT 3 – Managing in a World with You & Me – Senior
Exhibit requirements the same as for CLASS 3201.

CLASS 3210. Stand-Alone Item (All Units) – Junior
Exhibit requirements the same as for CLASS 3201.

CLASS 3211. Stand-Alone Item (All Units) – Intermediate
Exhibit requirements the same as for CLASS 3201.

CLASS 3212. Stand-Alone Item (All Units) – Senior
Exhibit requirements the same as for CLASS 3201.

DEPT. M – PRIMARY 4-H (Ages 5-7)

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.

See Department L for exhibit requirements for Primary Decorate Your Duds & Foods projects.

PRIMARY DECORATE YOUR DUDS
    Dept L   Class 1200   <u>and</u>   Fashion Revue – Class 109

PRIMARY FOODS
    Dept L   Class 1500

DEPARTMENT N

SHOOTING SPORTS

Note: Please read 4-H Project Exhibit Rules on page 5.

Project Exhibit Rules:

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

2. Be sure to include the activity log for the discipline that you are exhibiting in your record book. If you are planning to do a shooting sports exhibit in more than one discipline at fair, you will need to have a separate e-Record for each exhibit with the discipline specific activity log.

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 (i.e., replica firearms, hand-made, or toy-type, etc.) or bows will be allowed as an exhibit. 2-D Cardboard or paper cutouts resembling firearms or bows are allowed for display purposes in the Display or Stand-Alone, and Decorative Item 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 of firearms that are primarily tactical in design in your display. (i.e., AR platform or military type firearms).

6. Historic photos or artist depictions used in 4-H exhibits that are not displaying current 4-H practices must have the following disclaimer posted with them, "These are historic photographs and artist renderings. Therefore, they do not follow modern safety protocols for Colorado 4-H."

7. The display board topics should stay in close relationship with your discipline. Please do not use topics outside the scope of your 4-H project. (Example: .22 Rifle Project – should not use the topic of different types of military machine guns.

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

9. All items in the Stand Alone & Decorative Item classes will be a maximum size of 3' x 3' x 7' 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.

10. 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.

11. 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.

12. Items to be exhibited in the Decorative Item class are items that are used to decorate a room, building, etc. Be sure to look at the classes to determine where your exhibit item fits. If you have questions about your display or requirements, contact your county Extension 4-H Specialist.

13. Label each item with name, address and county.

Members may have entries in both the display board classes and the stand-alone classes.
Items in wrong classes will NOT be eligible for blue ribbon placing. Exhibits must be entered in discipline that exhibit relates to.

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 the display board

<u>**CLASS 3001**</u>. **Archery Display Board – Junior**

<u>**CLASS 3002**</u>. **Archery Display Board – Intermediate**

<u>**CLASS 3003**</u>. **Archery Display Board – Senior**

<u>**CLASS 3004**</u>. **Air Rifle Display Board – Junior**

<u>**CLASS 3005**</u>. **Air Rifle Display Board – Intermediate**

<u>**CLASS 3006**</u>. **Air Rifle Display Board – Senior**

<u>**CLASS 3007**</u>. **Shotgun Display Board – Junior**

<u>**CLASS 3008**</u>. **Shotgun Display Board – Intermediate**

<u>**CLASS 3009**</u>. **Shotgun Display Board – Senior**

<u>**CLASS 3010**</u>. **.22 Rifle Display Board – Junior**

<u>**CLASS 3011**</u>. **.22 Rifle Display Board – Intermediate**

<u>**CLASS 3012**</u>. **.22 Rifle Display Board – Senior**

<u>**CLASS 3013**</u>. **.22 Pistol Display Board – Junior**

<u>**CLASS 3014**</u>. **.22 Pistol Display Board – Intermediate**

<u>**CLASS 3015**</u>. **.22 Pistol Display Board – Senior**

<u>**CLASS 3016**</u>. **Muzzleloading Display Board – Junior**

<u>**CLASS 3017**</u>. **Muzzleloading Display Board – Intermediate**

<u>**CLASS 3018**</u>. **Muzzleloading Display Board – Senior**

<u>**CLASS 3019**</u>. **Air Pistol Display Board – Junior**

<u>**CLASS 3020**</u>. **Air Pistol Display Board – Intermediate**

<u>**CLASS 3021**</u>. **Air Pistol Display Board – Senior**

<u>**CLASS 3022**</u>. **Western Heritage Display Board – Junior**

<u>**CLASS 3023**</u>. **Western Heritage Display Board – Intermediate**

<u>**CLASS 3024**</u>. **Western Heritage Display Board – Senior**

<u>**CLASS 3025**</u>. **Outdoor Skills Display Board – Junior**

<u>**CLASS 3026**</u>. **Outdoor Skills Display Board – Intermediate**

<u>**CLASS 3027**</u>. **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' x 3' x 7' and be stable as the item is intended for display.

CLASS 3028. Archery Stand-Alone – Junior

CLASS 3029. Archery Stand Alone – Intermediate

CLASS 3030. Archery Stand Alone – Senior

CLASS 3031. Air Rifle Stand Alone – Junior

CLASS 3032. Air Rifle Stand Alone – Intermediate

CLASS 3033. Air Rifle Stand Alone – Senior

CLASS 3034. Shotgun Stand Alone – Junior

CLASS 3035. Shotgun Stand Alone – Intermediate

CLASS 3036. Shotgun Stand Alone – Senior

CLASS 3037. Air Pistol Stand Alone – Junior

CLASS 3038. Air Pistol Stand Alone – Intermediate

CLASS 3039. Air Pistol Stand Alone – Senior

CLASS 3040. .22 Rifle Stand Alone – Junior

CLASS 3041. .22 Rifle Stand Alone – Intermediate

CLASS 3042. .22 Rifle Stand Alone – Senior

CLASS 3043. .22 Pistol Stand Alone – Junior

CLASS 3044. .22 Pistol Stand Alone – Intermediate

CLASS 3045. .22 Pistol Stand Alone – Senior

CLASS 3046. Western Heritage Stand Alone – Junior

CLASS 3047. Western Heritage Stand Alone – Intermediate

CLASS 3048. Western Heritage Stand Alone – Senior

CLASS 3049. Outdoor Skills Stand Alone – Junior

CLASS 3050. Outdoor Skills Stand Alone – Intermediate

CLASS 3051. Outdoor Skills Stand Alone – Senior

CLASS 3052. Muzzleloading Stand Alone – Junior

CLASS 3053. Muzzleloading Stand Alone – Intermediate

CLASS 3054. 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 3055. 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 activity 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.

CLASS 3056. Shooting Sports Decorative Item – Intermediate
Exhibit requirements the same as for CLASS 3055.

CLASS 3057. Shooting Sports Decorative Item – Senior
Exhibit requirements the same as for CLASS 3055.

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 board stand out by highlighting the main points of your project in a fun, interesting way.

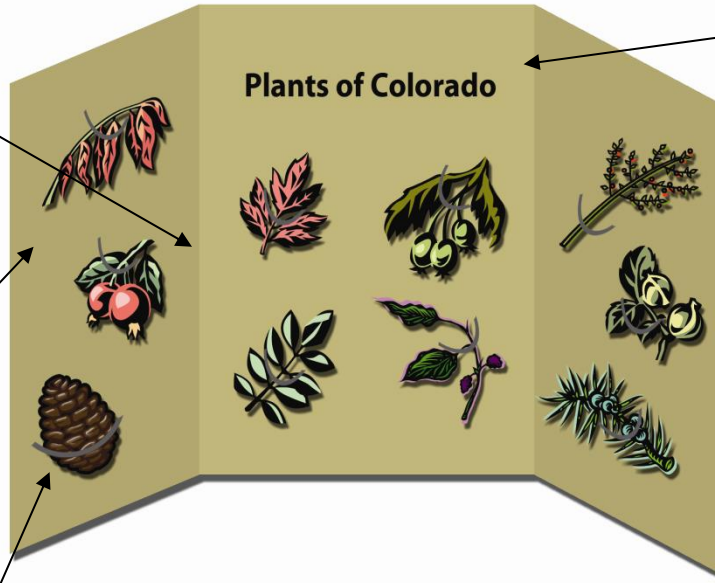*Follow these guidelines to create a display board for the state fair*

4′

Plants of Colorado

3′

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.

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 the KCC Extension Office for $3.00 and you can find them 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. No 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

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 <u>4-H is about developing youth character and skills</u>, 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. <u>And, if they aspire to "*Make the Best Better*" they are indeed CHAMPIONS</u>!**