

Aerospace

Exhibit Introduction

Each county would be permitted to send one rocket, **remote control aircraft, or drone** and one poster/display board in each grade category (3-5, 6-8, and 9-12). Thus each county could send a maximum of six exhibits to the state fair, 3 rockets, **remote control aircrafts, or drones** and 3 poster/display boards. No "Ready to Fly" or E2X rockets are acceptable in the 4-H Aerospace project.

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

Rockets may be exhibited with a base, but launch pads are not permitted. All rockets must weigh less than 3.3 pounds and considered an amateur rocket according to FAA regulations.

Remote control aircraft or drones may be constructed from a kit or purchased ready-to-fly.

Requirements

Level: (Grades 3-5)

Last Modified: 10/2018

Project Completion Recommendations

Complete the activities as indicated in the manual

State Exhibit Requirements

Rocket of your choice, Estes Skills Level 1, 2, or comparable difficulty or a poster, display board on any topic in the manual (i.e., construct a paper airplane with a poster board explaining why you designed it the way you did). Cluster engine rockets and rockets that take an engine D or above are not permitted in this level.

Remote control aircraft or drone of your choice that is age/grade appropriate and compliant with FAA regulations, federal and state laws, and local ordinances. This exhibit choice is to include a notebook or poster including how the aircraft/drone was used and aerospace skills learned. Displaying the aircraft or drone is optional.

Requirements

Level: (Grades 6-8)

Last Modified: 10/2018

Project Completion Recommendations

Complete the activities as indicated in the manual

State Exhibit Requirements

Rocket or other aerodynamic object of your choice, Estes Skills Level 2, 3, or comparable difficulty or poster, display board on any topic in the manual (i.e., glider plane (page 18) with poster explaining design). Cluster engine rockets and rockets that take an engine E or above are not permitted in this level.

Remote control aircraft or drone of your choice that is age/grade appropriate and compliant with FAA regulations, federal and state laws, and local ordinances. This exhibit choice is to include a notebook or poster including how the aircraft/drone was used and aerospace skills learned. Displaying the aircraft or drone is optional.

Requirements

Project Completion Recommendations

Complete the activities as indicated in the manual

State Exhibit Requirements

Rocket of your choice, Estes Skills Level 3 or above, a Box kite or other aerodynamic object of your choice which illustrates principles of flight or poster, display board on any topic in the manual (i.e., box kite (page 20) with poster explanation). Rockets that take an engine G or above are not permitted.

Remote control aircraft or drone of your choice that is age/grade appropriate and compliant with FAA regulations, federal and state laws, and local ordinances. This exhibit choice is to include a notebook or poster including how the aircraft/drone was used and aerospace skills learned. Displaying the aircraft or drone is optional.

CAKE DECORATING

Updated 10/2018

Exhibit Introduction

The cake decorating subject provides skills-based educational experiences that provide an opportunity for mastery before building on that experience to develop more advanced skills. This subject area is divided into three levels: Beginner (Grades 3-5), Intermediate (Grades 6-8), and Advanced (Grades 9-12). While the defined grades are intended to be a guide, older youth enrolled in this subject for the first time may start in a lower grade skill level with permission by the county extension educator, followed by an appropriate level the following year.

Skills and techniques demonstrated should be age/grade appropriate. While it is not to say a beginner level member cannot master an advanced level skill, it would be rare and unique. ~~Therefore, it is suggested cakes be exhibited with skills outlined as representing their grade level in Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A.~~ Therefore, exhibited cakes must demonstrate the minimum five techniques from their given level outlined in Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A, but may also include higher/lower level techniques that have been mastered. Any higher/lower level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. All exhibited cakes must be created using a Styrofoam, foam, or other solid dummy. Unless otherwise stated, cakes are to be iced using royal icing or buttercream. Buttercream icing will not withstand environmental conditions and may become soft, melt, not withhold its shape, and colors may bleed when being displayed an extended period of time. When displaying a cut-up cake or tiered cake, the exhibitor must include a diagram and description indicating how the cake was assembled. This diagram and description can be attached to or written on the skills sheet. All exhibits must include a completed Cake Decorating Skills Sheet (4-H 710) and must accompany the cake for the judge's reference during judging.

Beginner Level (Grades 3-5)

Cakes must be on a cake board approximately 3/8" thick and 3" larger than the cake. For example, if the cake is 8" in diameter, then the cake board must be 11" in diameter. The cake board must be neatly covered and well taped or otherwise attached underneath. Cakes exhibited in the beginner level are to be a single tier/layer, no more than 5" tall, and may be round, square, or rectangular and the cake board is to be no more than 12"x12". A minimum of five beginner level skills are to be demonstrated. A list of skills to choose from can be found on the Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A sheet.

Intermediate Level (Grads 6-8)

Cakes must be on a cake board approximately 3/8" thick and 3" larger than the cake. For example, if the cake is 9"x13" rectangular, then the cake board must be 12"x16" rectangular. The cake board must be neatly covered and well taped or otherwise attached underneath. Cakes exhibited in the intermediate level are to be a single or double tier/layer, no more than 12" tall and may be any shape. Youth may choose to decorate an inverted (upside down) character pan or create a 3-dimensional cake. It is also permissible to cut-up pieces of Styrofoam, foam, or other solid material to create a new shape, like a butterfly or castle for example. The cake board is to be no more than 24"x24". A minimum of five intermediate level skills are to be demonstrated and the cake may include additional skills from the beginner level. A list of skills to choose from can be found on the Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A sheet.

Advanced Level (Grades 9-12)

Cakes must be on a cake board approximately 1/2" thick and 4" larger than the base cake. For example, if the cake is 26" in diameter, then the cake board must be 30" in diameter. The cake board must be neatly covered and well taped or otherwise attached underneath. Cakes exhibited in the advanced level may be multiple layer and/or tiered and may include multiple cakes, like a wedding cake. Youth may choose to create a character or 3-dimensional cake by cutting-up pieces of Styrofoam, foam, or other solid material to create a new shape. Dowel rods, plates, etc. should be used to support multiple layers and tiers. Fondant icing, gum, and sugar paste is permissible. Cakes may be any shape, no more than 36" tall and the cake board is to be no more than 36"x36". A minimum of five advanced level skills are to be demonstrated and the cake may include additional skills from the beginner and intermediate levels. A list of skills to choose from can be found on the Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A sheet.

4-H 710A

Updated 10/2018

Indiana 4-H Cake Decorating Skills and Techniques

Youth and their mentor/volunteer leader/instructor should use this chart as a guide when deciding appropriate skills to incorporate in a decorated cake for exhibit. While this list is a guide, it is not meant to be an all-inclusive list and youth should demonstrate skills they are most comfortable mastering. For example, some youth in the intermediate level might feel comfortable attempting advanced level skills, but it is unlikely a beginner level exhibitor will be able to successfully master the advanced level skills. Exhibited cakes must demonstrate the minimum five techniques from their given level but may also include higher/lower level techniques that have been mastered. Any higher/lower level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. Youth are encouraged to utilize a number of resources such as web sites, print material, social media, and television shows when learning cake decorating skills. Skills learned from these types of resources may be demonstrated provided they are age/grade appropriate.

The X indicates suggested level to learn respective skill. Skill	Beginner	Intermediate	Advanced
Icing			
Achieve proper consistency of icing for frosting the cake	X		
Tablespoon imprint	X		
Teaspoon swirl	X		
Coloring Techniques (only one coloring technique can be counted toward the minimum 5)			
Basic color blending	X		
Deep color effects			X
Painting			X
Borders and Side Decorations			
"C" motion	X		
Balls	X		
Bead	X		
Dots	X		
Leaf	X		
Loop	X		
Pull dots	X		
Pullout star	X		
Rosette	X		
Ruffle border	X		
Ruffle leaf	X		
Shell with star tip	X		
Shell with writing tip (beads)	X		
Star	X		
Star puff	X		
Stripes	X		
Vines	X	X	
Wavy lines	X		
Zigzag	X		
Zigzag puff	X		
Brush embroidery		X	
"e" motion		X	
"S" scroll		X	
Horizontal "C"		X	
Plume		X	

Puff		X	
Reverse shell		X	
Ribbon		X	
Rope		X	
Ruffle		X	
Zigzag puff		X	
Combination Borders and Side Decorations			
Leaf and drop flower	X		
Rosette and star	X		
Shell and flute	X		
"S" scroll and drop flower		X	
Dot and heart		X	
Puff and drop flower		X	
Shell puff and ruffle or zigzag		X	
Basket weave		X	X
Bow trimmed strings			X
Crown			X
Drop strings			X
Fleur-de-lis			X
Flower and vine			X
Lambeth method			X
Ribbon and ball fringe			X
Ribbon swag			X
Shirred ribbon and shell			X
String lace			X
Triple drop strings			X
Zigzag garland and ruffle			X
Leaves			
Holly	X	X	
Plain leaf	X	X	
Ruffled leaf	X	X	
Stand up leaf	X	X	
Violet leaf		X	
Flowers			
Drop flowers, one squeeze star	X		
Drop flowers, swirl	X		
Free hand (star tip)	X		
Petals	X		
Ribbon rose	X		
Rosette	X		
Rosette with star center	X		
Shaggy mum	X		
Star puffs	X		
Stars	X		
Variety (writing tip)	X		
Zinnia	X		
Rosebud	X	X	
Sweet pea	X	X	
Bleeding heart		X	
Half carnation		X	
Half rose		X	
Lilly of the valley		X	

Other flat surface flowers		X	
Apple blossom		X	X
Aster		X	X
Bachelor button		X	X
Brown-eyed susan – daisy variation		X	X
Chrysanthemum		X	X
Daffodil and jonquil		X	X
Daisy	X	X	X
Dogwood		X	X
Forget-me-not		X	X
Full carnation		X	X
Narcissus		X	X
Pansy		X	X
Poinsettia		X	X
Poppy		X	X
Rose		X	X
Sunflower	X	X	X
Violet		X	X
Wild rose		X	X
Other flat flower nail		X	X
Bluebell			X
California poppy			X
Easter lily			X
Morning glory			X
Nasturtium			X
Petunia			X
Other lily nail flowers			X
Lettering (only one lettering technique can be counted toward the minimum 5)			
Dots	X		
Lettering forms – fill in with dots or lines	X	X	
Printing	X	X	X
Script (cursive)		X	X
Special Effects			
Combing	X		
Grass, fur or hair	X	X	
Outline and star fill in	X		
Paper pattern	X		
Star filled pattern	X		
Stencil applications	X	X	
Color striping – either brush or spatula	X	X	
Color flow		X	
Comelli lace		X	
Figure piping		X	
Haystacks		X	
Lattice design		X	
Pine cones		X	
Pine needles and cat whiskers		X	
Piping gel	X	X	
Royal icing lace		X	
Sotas		X	
Sugar mold, solid	X	X	
Trees		X	
Wheat		X	

Airbrushing or painting			X
Austrian lace			X
Candy clay			X
Chocolate molding – flowers			X
Chocolate molding – leaves			X
Fondant, cooked			X
Fondant, rolled, cake covering			X
Fondant, rolled, flowers and decorations			X
Gum paste			X
Loops			X
Marzipan			X
Pulled sugar			X
Sculptured cake			X
Sugar mold, hollow			X
Sugar paste			X
Quilling			X
Wires with assorted decorations attached			X
Other advanced skills			X

Computer Requirements

Last Modified: 10/2018

There are three exhibit grade level divisions; Grades 3-5, Beginner; Grades 6-8, Intermediate; and Grades 9-12, Advanced. Exhibits are to be skill appropriate for the member's grade level.

Youth enrolled in the computer project will select one of the below subject categories to study, regardless of grade. Youth may choose to create an exhibit demonstrating skills learned during the year. Check with your county Purdue Extension Office to determine if a computer will be available during judging and if there will be an opportunity to explain your exhibit to the judge.

Exhibits qualifying for state fair are to be submitted on a thumb drive securely attached to a notebook/portfolio describing accomplishments, skills learned, design ideas, budget, a summary of what was done, etc. as the exhibitor will not be able to discuss their work with a judge. **Poster exhibits are not acceptable.** Youth may continue in the same subject category in subsequent years expand on the previous year's topic, or choose a new topic. Subject categories are:

- Hardware and Networking Design/Installation/Repair
- Software or Smartphone App Programming and Development
- Website Development
- GPS or Software Utilization
- Computer Entrepreneurship
- Computer Forensics (identity theft, online bullying, ethical use of technology, responsible social media use, etc.)
- Independent Study - A topic of your choice that does not fit in any other category

Software must be compatible on both PC and Mac platform. If additional software other than Microsoft Office Suite is required to view the member's work, that software must be provided by the member and comply with all manufacturer copyright laws. Apps can be Android or IOS compatible.

All notebooks/portfolios must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list ~~be attached to the back of a poster or display board,~~ be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

A county may submit a total of three state fair entries, one entry per grade level division.

Consumer Clothing

Exhibit Introduction

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H members exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

****For personal safety concerns, notebooks exhibited should only contain name, county, grade, level and club, and no personally identifiable information such as mailing address or phone number.**

Requirements

Level: Beginner

Last Modified: 10/2018

Exhibit Requirements

Complete one activity from each group in the manual. Write your results or answers in a notebook. Label each activity. This will help you talk to the judge easily.

Help purchase an item of clothing that you'll wear with other clothes in your wardrobe. Examples might be slacks, blouse, jeans, shirt, sweater, or sweatshirt. Choose an accessory to go with your purchase. You might buy shoes, sweatband, belt, jewelry, or socks.

- Model your purchases. Tell the judge about them, what you learned, and about the activities you completed. Take your manual and notebook with you because they will help you talk with the judge.

Requirements

Level: Intermediate

Last Modified: 10/2018

Exhibit Requirements

Complete one activity from each group in the manual. Write your results or answers in a notebook. Label each activity. This will help you talk to the judge easily.

Purchase and accessorize a casual or school outfit. You may purchase accessories or select from items you already own.

Model your outfit. Tell the judge about your purchases, what you learned, and about the activities you completed. Take your manual and notebook with you because they will help you talk with the judge.

Requirements

Level: Advanced

Last Modified: 10/2018

Exhibit Requirements

Complete one activity from each group in the manual. Write your results or answers in a notebook. Label each activity. This will help you talk to the judge easily.

If a member has completed all activities in the manual in prior years, the member is to consult with their extension educator, leader, or mentor to create an activity. When assembling the exhibit notebook be sure to include a note to the judge explaining how the activity was determined and the intended objectives.

Choose an outfit and accessorize it. You may purchase or select from items you already own. Model your outfit before a group. Tell them about your activities in this year's project and how you plan to use this year's purchases in your future wardrobe. Take your manual and notebook with you because they will help you talk with the judge.

Photography

~~Educational materials on "How to" information on taking quality photographs with a camera. Has good basic information on camera use.~~

Exhibit Introduction

REQUIREMENTS: All images are to be original images taken by the 4-H member

1. Complete a 4-H Photography Record Sheet each year.
2. Photos must have been taken since the last project entry date of the county fair.
3. All poster exhibits are to be mounted on a background board 22 inches by 28 inches, displayed horizontally, mounted on stiff backing (foam board, corrugated board, thin paneling, thin luan board--keep it thin and light.) and covered with clear acetate/plastic.
4. Place standard identification label in the lower right hand corner on poster boards and salon prints. Place your identification label on your board and under your plastic if at all possible. ~~Label should be placed along the bottom of the slide-view. Leave your county ID tag on the exhibit and place the state fair tag over it for those selected as State Fair Entry.~~
5. Number photo prints on your print boards 1 to 10.
6. Captions under your photographs are not recommended nor are fluorescent posters.
7. Salon prints are one print, either Black & White or Color, printed horizontally or vertically. The print must be mounted on a standard 16 by 20 inch salon mount, displayed vertically and covered with plastic.
8. Sepia tone photographs (mono chromatic) are entered under the Black and White classes.

*designates a State Fair entry possibility. Counties may send two entries from Level One (1), four entries from Level Two (2) and four entries from Level Three (3) for a total of ten exhibits. Being selected as a class winner may not be an automatic State Fair entry. The judge(s) will need to choose the best from each level.

Mounting and Labeling:

The mounting may be of any color or texture. The pictures are to be neatly and securely mounted. Dry mounting tissue is best.

Salon mounts are available in most photo and art supply stores. They are available either in plain or with a cutout of the picture area. You may make your own. Matting is not required.

~~Label each exhibit with either a county designated size exhibit label or 2" x 4" label stating 4-H'ers name, club, township, grade level, and exhibit level/division. It is recommended that this identification label be placed in the lower right hand corner of your poster board or salon print and under the plastic, if at all possible. For State Fair entries, do not remove the 4-H member's ID label. The exhibit entry tag provided by the county Purdue Extension office is to be placed in the exhibit's lower right hand corner.~~

Requirements

Level: LEVEL 1 - GRADES 3, 4, AND 5

Last Modified: 10/2018

Exhibit

You choose either type of prints to exhibit and choose to ~~perfect~~ perfect your skills in either or both. You are encouraged to try your hand at both types of film for a broader learning experience. Your prints may be a mix of digital and/or standard development.

1. Black & White Prints*
2. Color Prints*

CLASS DESCRIPTION LEVEL 1-GRADES 3, 4 AND 5-Two entries total from a county in this level.

1. **BLACK AND WHITE PRINTS:** "Capturing Memories"
 - EXHIBIT: 10 black & white pictures, none of which is larger than 4" by 6", nor smaller than 3 1/2" by 5", any subject, mounted on a background board 22" x 28", displayed horizontally, on stiff backing covered with plastic. The poster must carry the title "Capturing Memories". It is recommended that you use and exhibit standard processing size for your prints. See mounting and labeling instructions section. Your prints may be a mix of digital and/or standard development.

2. **COLOR PRINTS:** "Experiences in Color"

- EXHIBIT: 10 color pictures, none of which is larger than 4" by 6", nor smaller than 3 1/2" by 5", any subject, mounted on a background board 22" x 28", displayed horizontally, with stiff backing and covered with plastic. The poster must carry the title "Experiences in Color". It is recommended that you use and exhibit standard processing size for your prints. See mounting and labeling instructions section. Your prints may be a mix of digital and/or standard development.

Requirements

Level: LEVEL 2 - GRADES 6, 7, AND 8

Last Modified: 10/2018

Exhibit

You may choose from the class list below:

3. Black & White Prints*
4. Color Prints*
5. Color Salon Print*
6. Black & White Salon Print*
7. Creative/Experimental - Black & White or Color Salon Print*

CLASS DESCRIPTION LEVEL 2 -GRADES 6, 7 AND 8 -Four entries total from a county in this level.

3. BLACK AND WHITE PRINTS: "Photography is Fun"

EXHIBIT: 10 black & white pictures, none of which is larger than 5" by 7" nor smaller than 2" by 3 1/2", mounted on a background board 22" x 28", displayed horizontally, with stiff backing and covered with plastic. The poster must carry the title "Photography is Fun". See mounting and labeling instructions section. Your prints may be a mix of digital and/or standard development.

4. COLOR PRINTS: "Adventures in Color"

EXHIBIT: 10 color pictures, none of which is larger than 5" by 7" nor smaller than 2" by 3 1/2", mounted on a background board 22" x 28", displayed horizontally, with stiff backing and covered with plastic. The poster must carry the title "Adventures in Color". See mounting and labeling instructions section. Your prints may be a mix of digital and/or standard development.

5. COLOR SALON PRINT:

EXHIBIT: One (1) color print no smaller than 7" x 9" nor larger than 11" x 14", printed horizontally or vertically, mounted on a standard 16" x 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended.

6. BLACK AND WHITE SALON PRINT:

EXHIBIT: One (1) black & white no smaller than 7" x 9" nor larger than 11" x 14", printed horizontally or vertically, mounted on a standard 16" x 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended.

7. CREATIVE/EXPERIMENTAL SALON PRINTS:

EXHIBIT: **Any modified image may be exhibited as creative/experimental.** One (1) black & white and/or color print, or a combination no smaller than 7" x 9" nor larger than 11" x 14", printed horizontally or vertically, mounted on a standard 16" x 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended. ~~See additional notes regarding digital below.~~ **Must** include original photograph (s) on the back of the board and attach a listing of steps and/or procedures used to create the end product.

Requirements

Level: LEVEL 3 - GRADES 9, 10, 11, 12

Last Modified: 10/2018

Exhibit

You may choose from the class list below:

8. Black & White Prints*
9. Color Prints*
10. Color Salon Print*
11. Black & White Salon Print*
12. Creative/Experimental - Black & White or Color Salon Print*
- ~~13. Video~~

CLASS DESCRIPTION LEVEL 3 -GRADES 9, 10, 11, 12 AND ABOVE -Four entries total from a county in this level.

8. BLACK AND WHITE PRINTS:

EXHIBIT: 10 black & white pictures, none of which is larger than 8" by 10" nor smaller than 2" by 3 1/2", mounted on a background board 22" x 28", displayed horizontally, with stiff backing and covered with plastic. The poster must carry a title; use your own creativity. See mounting and labeling instructions section. Your prints may be a mix of digital, digitally enhanced and/or standard development.

9. COLOR PRINTS:

EXHIBIT: 10 color pictures, none of which is larger than 8" by 10" nor smaller than 2" by 3 1/2", mounted on a background board 22" x 28", displayed horizontally with stiff backing and covered with plastic. The poster must carry a title; use your own creativity. See mounting and labeling instructions section. Your prints may be a mix of digital, digitally enhanced and/or standard development.

10. COLOR SALON PRINT:

EXHIBIT: One (1) color print no smaller than 7" x 9" nor larger than 11" x 14", printed horizontally or vertically, mounted on a standard 16" x 20" salon mount, displayed VERTICALLY and covered with plastic.

No title recommended.

11. BLACK AND WHITE SALON PRINT:

EXHIBIT: One (1) black & white no smaller than 7" x 9" nor larger than 11" x 14", printed horizontally or vertically, mounted on a standard 16" x 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended.

12. CREATIVE/EXPERIMENTAL SALON PRINT:

EXHIBIT: **Any modified image may be exhibited as creative/experimental.** One (1) black & white and/or color print, or a combination no smaller than 7" x 9" nor larger than 11" x 14", printed horizontally or vertically, mounted on a standard 16" x 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended. ~~See additional notes regarding digital below.~~ **Must** include original photograph (s) on the back of the board and attach a listing of steps and/or procedures used to create the end product.

~~13. VIDEO:~~

~~EXHIBIT: Create a video that is no more than 10 minutes in length, begins with an introductory title and ends with credits. The video exhibit is to be MP4 or compatible format and submitted on a DVD, flash/thumb drive, other media storage device, or published to YouTube or another public video internet site. If submitting on a storage device, include exhibitor's name, video title, and date created. The exhibit is to also include a notebook describing hardware, software, and equipment used. The report should describe how the video was created, date created, designed, challenges, what was learned, etc. The report should include screenshots as the actual video will not be displayed. The judge may choose to view the video in its entirety or a portion. If the video is published to YouTube or another public internet site the report must include the web address should the judge choose to view it.~~

Requirements

Level: Digital Photograph Guidelines:

Last Modified: 10/12/05

Exhibit

- ~~1. All images are to be original images taken by the 4-H member. Photography exhibits are to be taken by the 4-H members between county project check-in to the next year county project check-in date.~~
- ~~2. Creative/Experimental print sizes must meet the size requirements of your chosen exhibit. It is recommended that the digital image be printed on photographic paper or very high quality copier paper. The paper quality will help in clarity and sharpness.~~
- ~~3. If a photograph is taken with a digital camera is just a straight forward photograph with no changes or augmentation, then it would be the same as one for the regular print board or salon print classes. To succeed as a digital image (as a separate classification) something more should be done to the photographic image.~~
- ~~4. **DIGITAL VS. FILM** Anything that can be done in a dark room, on an enlarger, can be done on a computer, i.e. cropping, color correction, parallax, etc. If an image is digitally altered beyond what can be done on the enlarger, i.e. adding different background, removing buildings or people, adding text, hand-coloring, etc. it should be entered in the "Creative/Experimental" Class. We realize this will be difficult to enforce. We ask your cooperation. We also realize the person with the expensive digital camera and high powered computer has some advantages. By the same token the person with the expensive large format film camera that takes his processing to a custom lab has many advantages over the person with the inexpensive 35mm camera doing their processing at the local retail store.~~

Resources

Wood Science

Requirements

Level: Wood Science Level 1 (Grades 3-4)

Last Modified: 10/2018

Project Completion Recommendations

Complete the activities as indicated in the manual or as specified by the County Extension Office.

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

Exhibit

- ~~Exhibit one article made using the plans in the Level 1 manual (BU-6875) or the additional plans provided.~~

~~Tools that pose limited safety concerns can be used to complete the exhibit.. Examples include: all hand tools, and power tools such as: power screwdriver, pad sander, cordless drill.~~

~~Tools that pose greater potential for injuries should not be used. Examples include: table saw, router, band saw.~~

~~Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking Tools, Techniques and Skills Chart 4-H 6875C-W. Exhibits may also include higher level techniques that have been mastered. Any higher level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging.~~

OR

~~Exhibit a poster on any topic covered in the Level 1 manual.~~

Requirements

Level: Wood Science Level 2 (Grades 5-6)

Last Modified: 10/2018

Project Completion Recommendations

Complete the activities as indicated in the manual or as specified by the County Extension Office.

Exhibit

~~Exhibit one article made according to the Level 2 manual (BU-6876) plans, additional plans, or one that uses the skills discussed in either Level 1 or 2. Tools that pose limited safety concerns can be used to~~

~~complete the exhibit. Examples include: all hand tools, and power tools such as: power screwdriver, pad sander, cordless drill~~

~~Tools that pose greater potential for injuries should not be used. Examples include: table saw, router, band saw.~~

~~Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking Tools, Techniques and Skills Chart, 4-H 6875C-W. Exhibits may also include lower and/or higher level techniques that have been mastered. Any lower/higher level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging.~~

~~OR~~

~~Exhibit a poster on any topic covered in the Level 2 manual.~~

Requirements

Level: Wood Science Level 3 (Grades 7-9)

Last Modified: 10/2018

Project Completion Recommendations

Complete the activities as indicated in the manual or as specified by the County Extension Office.

Exhibit

~~Exhibit one article of your choice. The project should use only those skills and tools covered in Level 1, 2 and 3. (BU 6877)~~

~~Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking Tools, Techniques and Skills Chart, 4-H 6875C-W. Exhibits may also include lower and/or higher level techniques that have been mastered. Any lower/higher level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging.~~

OR

- Exhibit a poster on any topic covered in the Level 3 manual.

Requirements

Level: Wood Science Level 4 (Grades 10-12)

Last Modified: 10/2018

Project Completion Recommendations

Complete the activities as indicated in the manual or as specified by the County Extension Office.

Exhibit

~~Exhibit one article of your choice. The project should use only those skills and tools covered in Levels 1, 2, 3 and 4.~~

~~Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking Tools, Techniques and Skills Chart, 4-H 6875C-W. Exhibits may also include lower level techniques that have been mastered. Any lower level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging.~~

OR

Exhibit a poster on any topic covered in the Level 4 manual.

Indiana 4-H Woodworking Tools, Skills and Techniques

Youth and their mentor/volunteer leader/instructor should use this chart as a guide when deciding appropriate tools and skills to use and incorporate in a woodworking exhibit. While this list is a guide, it is not meant to be an all-inclusive list and youth should demonstrate skills they are most comfortable mastering with tools used. For example, some youth in level 2 might feel comfortable attempting level 3 tools/skills, but it is unlikely that a level 1 exhibitor will be able to successfully master the level 4 tools/skills. Youth are encouraged to utilize a number of resources such as web sites, print material, social media, and television shows when learning woodworking skills. Skills learned from these types of resources may be demonstrated provided they are age/grade appropriate.

The "X" indicates suggested level to learn respective skill. Exhibits must include a minimum of 5 techniques from their level indicated in the chart below but may include additional techniques from other levels as deemed appropriate, but nevertheless will be evaluated for quality. For example, Level 3 exhibitors may use any techniques found in Level 1 or Level 2 but the exhibit must include a minimum of 5 Level 3 techniques. Level 4 may use any techniques found in the lower three levels but must have a minimum of 5 Level 4 techniques.

SKILL	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
SAFETY (Required of all levels and not counted as a Skill or Technique)				
Ear Protection	X	X	X	X
Eye Protection	X	X	X	X
Shop Organization	X	X	X	X
Machine Guards	X	X	X	X
LAYOUT				
Ruler	X			
Tape Measure	X			
Square	X			
COMMON TOOLS				
Hammer	X			
Handsaw	X			
Coping Saw	X			
Scroll Saw	X			
Screw Driver	X			
Wood Chisel	X			
Pliers	X			
Hand Plane		X		
POWER TOOLS				

Band Saw	X			
Table Saw		X		
Electric Drill		X		
Radial Arm Saw			X	
Circular Saw			X	
Planner				X
Lathe				X
Jointer				X
Miter Saw				X
MATERIAL SELECTION				
Wood	X			
Wood Products	X			
Plywood	X			
Fiberboard	X			
JOINTS				
Lap Joint	X			
Butt Joints	X			
Basket Joints		X		
Doweled Joints		X		
Mortise and Tenon Joints			X	
Dado Joints			X	
Miter Joint				X
Dovetail Joints				X
TABLE ROUTING				
Bevels			X	
Dadoing			X	
Rabbeting			X	
Planing				X
Jointing				X
FASTENERS				
Screws	X			
Nails	X			
Bolting	X			
Gluing	X			
Pocket Hole Fasteners		X		
Brad Nailer				X
FINISHING				
Sanding	X			
Penetrating Finish	X			
Painting	X			
Varnishing		X		
Spraying				X
FREEHAND ROUTING				
Bevels			X	
Dadoing			X	
Rabbeting			X	
Planing				X
Jointing				X

Grievance/Appeal Guidelines for County 4-H Program Issues: (Activities, Programs, Projects)

The grievance procedures outlined in this document are utilized as part of an internal process of the Indiana 4-H Youth Development program for use when grievances of 4-H members, their parents/guardians, or 4-H volunteers cannot be resolved via reasonable conversation. This policy affords the opportunity in those unique situations to allow voice or opinion to be heard when there is a dispute regarding 4-H participation, activities or programs. This is not a mechanism for complaints against individual 4-H members (or their families), 4-H volunteers, judging officials for competitive events, or Purdue Extension staff. All resulting decisions will be made in accordance with the Indiana 4-H Program's stated mission to be an inclusive organization designed to encourage and maximize youth participation. The rights of the individual filing the grievance are limited to those provided by Indiana 4-H Program policy. Purdue University, as the Land Grant University in Indiana, is charged (by the United States Department of Agriculture) with implementing the 4-H Program in communities across the State of Indiana. Purdue Extension Educators in each Indiana county represent the university in local communities and have the responsibility of assuring all 4-H volunteers meet basic university criteria as they serve as representatives of the university. Purdue Extension Educators additionally provide oversight to 4-H volunteers including the assurance that Indiana 4-H Policies and Procedures are appropriately implemented in 4-H Program delivery. Individual county 4-H policies and procedures should be created and reviewed to assure they do not contradict established statewide 4-H policies and procedures. If a contradiction is discovered during the grievance process, Indiana 4-H Program policy shall be followed in determining the grievance outcome.

1. Grievances are made by completing the Indiana 4-H Grievance/Appeal form with the burden of proof being the responsibility of the individual filing the grievance. The completed grievance/appeal form and supporting documentation shall be presented to the president of the 4-H policy-making body (e.g., 4-H Council) or the Purdue Extension Educator who works with the 4-H Program. (NOTE: concerns regarding staff or volunteers are not issues for which a grievance may be filed. 4-H volunteers are assigned by the 4-H Extension Educator. Concerns regarding 4-H volunteers or other individuals should be addressed directly with the Purdue 4-H Extension Educator.)
2. Grievances pertaining to 4-H activities, programs or projects shall be filed within 14 days of an incident or occurrence. Grievances pertaining to county fair related issues are often time-sensitive and must be filed within 24 hours of the incident.
3. The grievance process occurs in the county where the issue or concern arises and offers three opportunities for a concern to be heard and reviewed.
 - A. The grievance is initially heard by an unbiased, representative grievance subcommittee. It is the Purdue Extension Educator assigned to 4-H Programming who shall annually work with the chair of the county 4-H Council to determine this committee's membership to include the following individuals: one representative of the 4-H Council; two 4-H volunteers serving as a 4-H club organizational leader; one member of the County Extension Board; and one 4-H volunteer knowledgeable in the subject matter (project) of concern (this individual will vary dependent on issue raised with the grievance). The Purdue Extension Educator assigned to 4-H shall convene the group. General Terms and Conditions Revised 1/18 Page 15
 - B. The person filing the grievance may appeal the decision of the grievance subcommittee to the 4-H policy-making body, which will then review the facts in evidence and render a decision.
 - C. The person filing a grievance may appeal a decision of the 4-H policy-making body to the County Extension Board. The Extension Board will review the facts in evidence and render a decision. This is the **final level** in the appeal process.

****While there is no doubt some overlap in who serves on these committees, the intent of a three level process is to assure different individuals have the opportunity to hear and act on the grievance. ALL individuals involved at any level of the grievance procedure are reminded of the importance of keeping discussions regarding grievances confidential.**

To maintain the confidentiality of the parties involved, the grievance hearings at each level will be closed to the public. Only the individuals who have filed the grievance, the members of the grievance committee, and the Purdue Extension Educators will be present during each level of the grievance process, *****The grievance process is internal to the Indiana 4-H Youth Development Program and meetings of the grievance committees are not subject to Indiana's Open Door Policy.**

The Purdue Extension Educator assigned to work with the 4-H Program has the obligation to inform all parties that there is a grievance procedure if there are disagreements with policies.

The practice of charging fees from those filing grievances shall be eliminated and all counties will utilize the Indiana 4-H Grievance/Appeal Form as part of the grievance process.

Revised: January 2018

INDIANA 4-H GRIEVANCE/APPEAL FORM

WARNING: You must read and initial this section before proceeding to complete this document.

- ___1. I understand and agree that filing a grievance that alleges
 - A. facts that are not true, or
 - B. facts that I know are not true, or
 - C. facts I should know are not true:will be considered a violation of the 4-H behavioral expectations.

 - ___2. I understand and agree that all statements made herein by me are subject to the pains and penalties of perjury and I hereby affirm that my statements herein are true.

 - ___3. I understand that perjury is a crime in Indiana.
-

I, the undersigned, allege that the following term(s) and condition(s) have been violated:

The facts which support this allegation are set out as follows: (If needed, additional sheets may be attached.)

I swear or affirm under the penalties of perjury (1) that I have read, understand, and accept the above statements to be true, accurate, and complete. (2)

Signed: _____ Date: _____ Time submitted: _____

Print your name: _____

Address: _____

Phone: _____

Oath (3)

Before me, _____ A Notary Public in and for _____ County, State of Indiana, personally appeared _____ and he/she being first duly sworn by me upon his/her oath, says that the facts alleged in the foregoing instrument are true.

(signed) _____ My commission expires: _____

(SEAL)

- 1. Perjury –making a false, material statement under oath or affirmation, knowing the statement to be false or not believing it to be true. In Indiana, a person who commits perjury commits a Level 6 felony, ⁽⁴⁾ which may be punishable by imprisonment, fine, or restitution (Indiana Code 35-44.1-2-1 and 35-50-2-1)

2. Prosecution for violations of Indiana law will be referred to the proper authorities.
3. Oath – An affirmation of truth of a statement before an authorized person.
4. Felony – A crime of graver or more serious nature than those designated as misdemeanors.