

## Statewide 4-H Project Updates for 2020

### Cake Decorating – changes highlighted

#### **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, 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 2-4" larger than the cake. For example, if the cake is 8" in diameter, then the cake board must be 10-12" 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 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 2-4" larger than the cake. For example, if the cake is 9"x13" rectangular, then the cake board must be 11"x15" to 13"x17" 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.

## **Computers – All New Exhibit Requirements**

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:

- Block Based Programming
- Text Based Programming
- Web Design and Computer Entrepreneurship
- Computer Forensics
- Hardware and Networking Design/Install/Repair

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 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.

### **Blocked Based Programming:**

Beginner – Grades 3-5 – Create a block based program using Scratch, Code Studio, Alice, or another graphic programming language of your choice. You should comment your work and it must include at least ten different commands. Skills this program could use are:

- Sequence
- Iteration
- Conditionals
- Variables
- Loops
- User input

Intermediate Grades 6-8 – Create a block based program using Scratch, Code Studio, Alice, or another graphic programming language of your choice. You should comment your work and it must include at least ten different commands. Skills this program could use are:

- More robust demonstration of beginner skills
- Modularization
- Lists

Advanced Grades 9-12 – Create a block based program using Scratch, Code Studio, Alice, or another graphic programming language of your choice. You should comment your work and it must include at least ten different commands. Skills this program could use are:

- More robust demonstration of Intermediate Skills
- Parameters
- Recursion

## **Text Based Programming**

Beginner Grades 3-5 – This option is not available.

Intermediate Grades 6-8 - Create a text based program of your choosing using any text based language you are comfortable in. The code should demonstrate an understanding of at least 4 of these skills:

- Commenting
- Correct syntax
- Variables
- Loops
- Conditionals
- User Input
- Lists
- Functions
- Algorithms

Advanced Grades 9-12 - Create a text based program of your choosing using any text based language you are comfortable in. The code should demonstrate an understanding of at least 8 of these skills:

- A more robust understanding of the intermediate skills
- Interact with databases
- Classes
- Objects
- Methods
- Inheritance
- Integrate multiple languages into one program

## **Web Design and Computer Entrepreneurship**

Beginner Web Design and Computer Entrepreneurship – Grades 3-5 - Build a businesslike website demonstrating a knowledge of:

- Use a website builder to create your website
- Insert non-stock image into your site
- Use a template to achieve a unified look
- Explain CSS in your documentation, what CSS is and why it's important
- Must have at least two pages and include all items listed above

Intermediate Web Design and Computer Entrepreneurship – Grades 6-8 - Build a businesslike website demonstrating a knowledge of:

- Create your own site or use a website builder
- Modify existing HTML
- Use HTML5
- Modify existing CSS
- Have a unified theme throughout
- Use a photo editing software to create custom images
- Must have at least five pages and include all items listed above

Advanced Web Design and Computer Entrepreneurship – Grades 9-12 - Build a businesslike website demonstrating a knowledge of:

- Create a custom site using appropriate industry tools
- Have a responsive website
- Add useful and appropriate plugins
- Test for and eliminate bugs
- Include links for social media

- Include custom audio/video
- Must have at least ten pages and include all items listed above

**Computer Forensics (id theft, online bullying, ethical use of technology, responsible social media use)**

Beginner Computer Forensics – Grades 3-5 – Research and create a 3-5 minute presentation on one of the following topics. Present to a group of peers and have an adult leader verify, create a YouTube or MP4 instructional video, or printed slides and notes using PowerPoint or similar presentation software.

- Media Balance and Well Being
- Privacy and Security
- Digital Footprint and Identity
- Relationships and Communication
- Cyberbullying, Digital Drama and Hate Speech
- News and Media Literacy

Intermediate Computer Forensics – Grades 6-8 – Research and create a 6-8 minute presentation on one of the following topics. Present to a group of peers and have an adult leader verify, create a YouTube or MP4 instructional video, or printed slides and notes using PowerPoint or similar presentation software.

- Digital Citizenship:
  - Media Balance and Well Being
  - Privacy and Security
  - Digital Footprint and Identity
  - Relationships and Communication
  - Cyberbullying, Digital Drama and Hate Speech
  - News and Media Literacy
- Cyber Security
  - Ethics and Society
  - Security Principles
  - Classic Cryptography
  - Malicious Software
  - Physical Security
  - Web Security

Advanced Computer Forensics – Grades 9-12 – Research and create a 10-12 minute presentation on one of the following topics. Present to a group of peers and have an adult leader verify, create a YouTube or MP4 instructional video, or printed slides and notes using PowerPoint or similar presentation software.

- Digital Citizenship:
  - Media Balance and Well Being
  - Privacy and Security
  - Digital Footprint and Identity
  - Relationships and Communication
  - Cyberbullying, Digital Drama and Hate Speech
  - News and Media Literacy
- Cyber Security
  - Ethics and Society
  - Security Principles
  - Classic Cryptography
  - Malicious Software
  - Physical Security
  - Web Security

### Electric –

Division I: \*Exhibit at your local or county fair a circuit board no larger than 6” by 6” (using kit provided, label parallel or series circuit). "What I Have Done and Learned" is required for county only.

Division IV: add “Display boards should be appropriately sized for the displayed equipment.”

Advanced:

- remove “no larger than 36”x36”x36” from display board option
- add Display boards should be appropriately sized for the displayed equipment.
- add “\*\*For other exhibit ideas, refer to the Advanced Electric Project Ideas resource available on the Indiana 4-H Electric project page”

### Sewing -

Level B – Grade 5 – Wearable – Add: “A similar article is permissible provided the skillset is the same as the listed articles.”

Small Engines – change display board option sizes to: no more than 36” x 36”

Woodworking – Additions to the Skills Sheet include:

Power tools: Scroll saw, Levels 3, 4

Material Selection: Synthetic Products, Levels 3, 4

Joints: Box Joints, Levels 3, 4

### Livestock:

- No more retinal scanning for Sheep and Goats, they will require RFID tags and DNA samples for state fair eligibility. (See handout)
- Paylean is restricted by packers, this will affect who can sell hogs to the packers.

## Franklin County 4-H Project Updates for 2020 (County Only)

### General Livestock:

- Sheep, Dairy Wethers and Meat Goats will change from Home-Grown to County-Born and Raised classes (like the cattle are currently) where animals must be born on a Franklin County farm.
- Check out for Livestock changed to Friday from 7-9 AM.
- Goat, Sheep and Swine Barns: Those who help with barn set up and clean up on Thursday evening prior to fair can bring in their tack and shavings and set up their pens that evening.

### Dairy Goats:

- Start show at 11 AM instead of 10:30 AM

### Mini 4-H Livestock Show:

- Check in will be 9:15-9:45 am with the show starting at 10 AM, pre-registration is required.

### Rabbits:

- The ambassador contest will be held earlier in the summer to allow time for the winners to prepare for the state fair contest, date, time and location TBD. Awards will still be distributed during the rabbit show at the fair. Showmanship will take place before the rabbit show, starting at 3 PM in the rabbit barn on July 14, with the rabbit show starting at 5 PM in the Show Arena.

### Sheep and Meat Goats:

- Switch show times on Monday, start Sheep at 9 AM and Meat Goats at 2 PM

### Swine:

- 840-RFID tags MUST be entered in 4honline for each hog by May 15, tags MUST be in the ears before they are brought to the fairgrounds and tags must match the eartag listed in 4honline. Eartags must follow the universal system. Tags can be purchased from the Extension office for \$4 each, these have both the RFID button and a visible tag. If you choose to utilize your own 840-RFID tags, you will also need to add a 5 digit county tag to help us better identify animals at the fair, these are also available at the Extension Office.

### **Building Projects:**

#### Fashion Revue:

- Will be judged on Wednesday evening from 6-8 PM.

#### Pet Show:

- Pet Show will be at 5 PM on Wednesday evening.

#### Pottery:

- Pottery wheels can be used for Intermediate and Advanced level projects.

#### Talent Show:

- The talent show will be at 8 PM on Wednesday evening (after the fashion revue).