

2023 University of Kentucky 4-H/FFA Agriculture Field Day Contest Descriptions

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ATV Safety Skill-A-Thon

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NOT OFFERED IN 2023

This event will test the participants knowledge of ATV safety principles, including ATV parts, terms, safety equipment and understanding of the Golden Rules of ATV Safety. Youth are encouraged to complete the online Teen ASI ATV Safety course.

*Please note that this is not a riding competition - It is a contest to test knowledge of ATV safety.

Number of Contestants

This event allows up to two (2) teams of four individuals per chapter/organization. All four scores summate the team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for high individual but not for the team score. Division I is open to individuals and teams in grades 7, 8, 9, Division II is open to individuals and teams in grades 10, 11, 12.

Awards

Awards will be given to the Top 3 teams per division and Top High Individual in each division

Resources

Curriculum and other guides are located at: [4-H ATV](#)

The e-course is located at: <https://atvsafety.org/atv-ecourse/>

Contact Information

Contest Coordinators:

Grading Rubric

Written test 60%

Parts ID 20%

Safety Equipment ID 20%

Contest Consists of Three Sections:

Written (Test Junior and Senior Versions)- questions would come from the ASI ATV Online Safety Course and the 4-H ATV safety curriculum.

ATV Parts ID- Juniors would be provided terms, Seniors would not be provided terms.

ATV Safety Equipment ID- Juniors would be provided terms, seniors would not be provided the terms.

Agriscience Fair

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This contest allows students to apply scientific principles and emerging technology to the agricultural industry, while letting them explore their own interests. These projects will incorporate the effective use of an abstract, a safety sheet, and non-human/human vertebrate endorsement, a research paper, an exhibit, and an oral presentation. Each student will explain their findings to a panel of judges. Experiments must be completed before arrival to the fair.

The Agriscience fair will consist of two divisions: Division I is open to individuals and two-member teams in grades 7, 8, 9, Division II is open to individuals and two-member teams in grades 10, 11, 12.

Number of Contestants

Unlimited number of contestants per division and area

Awards

Awards will be given to the top 3 contestants/teams per division

Resources

For more information and rules, please go to [Agriscience Handbook](#)

Contact Information

Contest Coordinators: Missy Hamilton – missy.hamilton@uky.edu

Grading Rubric

Please see Figure below

UK Field Day Agriscience Fair Score Sheet

Student(s) : _____ Chapter: _____

_____ 15 pts. Knowledge Gained - Is there evidence that the student has acquired scientific skills and/or knowledge by doing this project? Does the exhibitor recognize the scope and limitation of the problem he/she has selected?

_____ 15 pts. Scientific Approach - Has the problem been clearly stated? Has the exhibitor solved the problem by using scientific facts as a basis for new conclusions? Is the exhibitor aware of the basic scientific principles that lend support to the methods used and the conclusions reached?

_____ 15 pts. Experimental Research - Has data been gathered from work done by the student, rather than the results from the work of others? Is the exhibitor's equipment effective? Does it do what it was intended to do? Can the research be the basis for further experimentation? Is the project actually a model or demonstration? Have variables been clearly identified and controlled for in the research process?

_____ 15 pts. Individual/Team Work - Has material been gathered and cited using an appropriate format? Is the logbook present for examination? Does the logbook contain detailed information about the research process? If this was a team project, is there evidence of collaboration present? Identify the portions of the presentation representing the work of others.

_____ 15 pts. Thoroughness - Is the exhibitor aware of the empirical method (the necessity of repeating trials) and the importance of controlling the variables in the experimentation in order to reach valid conclusions? Has the analysis of the problem been orderly? Have procedures been outlined in a systematic fashion? How successfully was the original plan carried through to completion?

_____ 15 pts. Information - Are known facts and principles stated correctly and used accurately? Have the results of experiments been reported accurately even though faulty experimental methods or conditions may have made the data unreliable? If so, have these errors been noted?

_____ 15 pts. Results/Conclusions - Has the exhibitor started with known facts and drawn their own conclusions? Are the conclusions consistent with the data and/or observations? Is information provided as to what was learned because of research?

_____ 15 pts. Interview - Is the exhibitor able to communicate their knowledge of the project?

_____ 15 pts. Visual Display - Has the data been presented in the best manner for the particular type of information involved? Are spelling errors present? Does the exhibit demonstrate a general neatness and attractiveness? Is the display presented in a logical and interesting manner?

_____ 45 pts. Written Project Report – Are all components of the written report available? Has the exhibitor made thorough use of the data, literature cited, interviews, correspondence, etc. and noted them properly?

Agronomy Evaluation

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The Agronomy Career Development Event (CDE) activity will provide students with an overview of the state contest consisting of an instruction and mini competition. The CDE has the following sections: Crop and Weed Identification, Insect Identification, Soil and Water Management activity, and a General Knowledge Exam. Students will need a clipboard.

Number of Contestants

This event allows up to two (2) teams of four individuals per chapter/organization. All four scores summate the team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for high individual but not for the team score.

Awards

Awards will be given to the first, second, and third place teams, along with top high individual.

Resources

Additional resources can be found:

A Comprehensive Guide to Corn Management in Kentucky

[ID-139: A Comprehensive Guide to Corn Management in Kentucky](#) Kentucky Intensive Wheat Management

[ID-125: A Comprehensive Guide to Wheat Management in Kentucky](#) Soybean Production in Kentucky Parts I-IV <http://www2.ca.uky.edu/agcomm/pubs/agr/agr128/agr128.htm> Dealing with Chemical Injury in Tobacco

[AGR-158: Dealing with Chemical Injury in Tobacco](#)

Insecticide Recommendations for Tobacco Beds and Fields (not the tables)

<http://www.uky.edu/Ag/PAT/recs/crop/pdf/Entfact-15.pdf>

Grain and Forage Crops in Kentucky <http://www.uky.edu/Ag/Forage/AGR-18.pdf> Lime and Nutrient Requirements

[AGR-1: Lime and Fertilizer Recommendations, 2020-2021](#) Soil Testing: What it is and what it does?

[Agr-57: Soil Testing: What It Is and What It Does](#) Summer Annual Broadleaf Weeds of Kentucky

[AGR-118 SUMMER ANNUAL BROADLEAF WEEDS OF KENTUCKY](#)

Contact Information

Contest Coordinator: Grace Baskin – grace.baskin@uky.edu

Grading Rubric

The agronomy CDE will be assessed on three parts; weed/crop identification; insect identification, economic impact, life cycle, and mouth parts; and a general knowledge exam (based upon links from the resources section above). Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

[Auctioneering](#)

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This is an individual event. Each chapter could bring up to 2 contestants in this event. The contestant will auctioneer a selected item. The competitor must be an amateur without an auctioneering license.

Number of Contestants

Limit two contestants per chapter/organization per division.

Awards

Awards will be given to the first, second, and third place individuals.

Resources

Additional resources can be found at: [Auctioneer Training Search](#)
[FFA Auctioneer](#)

Contact Information

Contest Coordinator: Jackson Smith – jpsm231@uky.edu

Grading Rubric

Stage Presence – 40 points Chant/Voice – 30 points

Effective Auctioneering (Flow, eye contact, identify bidders) – 30 points

Citizenship Bowl

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This is an individual event that is open to all 4-H and FFA members. Individuals will be tested on their civic knowledge.

Number of Contestants

No limit to how many individuals can compete, per chapter/organization, in this quick recall (spelling bee format) event, single elimination.

Awards

Awards will be given to the first and second place individual.

Resources

Additional resources can be found at: [Study for the Test \(2008 version\) | USCIS](#)
[Welcome to the 2008 Civics Practice Test! | USCIS](#)

Contact Information

Contest coordinator – [Chuck Stamper - cstamper@uky.edu](#)

Dairy Evaluation

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A team will evaluate a class of dairy cows. Students should familiarize themselves with comparative terms and should be prepared to give oral reasons. Students should also bring a notebook and pencil.

Number of Contestants

One team of four individuals per chapter/organization will be allowed with all four scores summing the team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for high individual but not for the team score.

Awards

Awards will be given to the first, second, and third place teams, along with top high individual.

Resources

Additional resources can be found at: [Dairy Judging](#)

Contact Information

Contest coordinator: Josie Kurtz – josie.kurtz@uky.edu

Grading Rubric

Students in the dairy evaluation contest will be assessed based upon accuracy of placing and explanation of reasons. There are 50 points possible for placing and 50 points for reasons for a total of 100 points. Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

Demonstration Contests

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Divisions (5)

ANIMAL

The animal demonstration contest is designed to allow students to display knowledge about animals, as well as public speaking skills. Demonstrations can be on any animal topic (small animal or large animal) and should be prepared by the students before the contest. When giving the demonstration, students must include the use of props to help support their presentation. Props must be brought by the contestant and may not include any live animals.

ENGINEERING AND TECHNOLOGY

The engineering and technology demonstration contest is designed to allow students to display knowledge, as well as public speaking skills. Any ideas of engineering or technology are accepted and should be researched completely by contestants. Demonstrations can be on any eng./tech topic and should be prepared by the students before the contest. When giving the demonstration, students must include the use of props to help support their presentation.

HORTICULTURE

The horticulture demonstration contest is designed to develop horticulture knowledge, skills, talents and planning. This competition also develops a student's poise and public speaking abilities, building confidence and personal growth. The students are required to select and research their own topics and write their own demonstrations with the help of the agent, advisor. The student needs to be able to explain by work and action the "how" and "why" of production and marketing procedures of a horticulture product. The student must use props in the demonstration; these can include vegetables, fruits, nuts, flowers, turf, woody ornamentals plus any other horticulture product.

OUTDOOR RECREATION

The outdoor recreation demonstration contest is designed to develop recreational knowledge, skills, talents and planning. This competition also develops a student's poise and public speaking abilities, building confidence and personal growth. The students are required to select and research their own topics and write their own demonstrations with the help of the agent, advisor. The student needs to be able to explain, by work and action, the "how" and "why" of the particular activity. The student should also have some type of persuasive speech to get other students involved. The student must use props in the demonstration.

FOOD SCIENCE

The food science demonstration contest is designed to develop student skill and knowledge in the area of food science as well as giving the student an opportunity to develop public speaking skills. The students are required to select and research their own topics and write their own demonstrations with the help of the agent or advisor. The student needs to be able to explain, by work and action, the "how" and "why" of the particular activity. The student should also have some type of persuasive speech to get other students involved. The student must use props in the demonstration.

Number of Contestants

Each chapter/organization can send up to two (2) teams to compete per demonstration area. A team can range from one to two members

Awards

The top three (3) contestants or teams per division will receive an award.

Resources

[Resource Guide | 4-H Youth Development](#)

<http://4-h.ca.uky.edu/>

[LSU AgCenter](#)

[University of Missouri Extension](#)

[Ohio 4-H Youth Development](#)

Contact Information

Contest coordinators: Gage Tucker – gage.tucker@uky.edu

Grading Rubric

The demonstrations contest allows for a 5-7 minute presentation followed by, up to, two questions. The contestant(s) will stop at the end of seven (7) minutes. Point deductions will occur if the presentation was not completed. There could be up to 2 questions used for clarification purposes. Students will be judged/graded on presentation type, as well as the ability to speak in front of an audience. A portion of the grading will be based on the amount of preparedness as well as on the props they bring and use during their demonstration. Amount of knowledge and research will be evident on the contestant's particular topic.

Criteria	Points Possible
Student(s) demonstrate good stage presence (voice, posture, eye contact, etc.)	10
Student demonstrates knowledge of subject	10
Visual aid was clear, organized, and appropriate	10
The presentation was organized and appropriate for subject	10
Student grabs attention with introduction, and ends with conclusion	10
Students answers question with understanding and thoughtful answers	10
Time (between 5-7 Minutes)	5
Total Earned Points	65
Point Deduction for Incomplete Presentation	-10

Farm Business Management

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This activity focuses on the principles used in making farm management decisions and will include questions about farm taxes, financial analysis, the futures market, record keeping, computer use, etc. Students may find it useful to study the farm management modules in preparation for this activity. Instruction will precede this activity regarding planning the mission and goals of farm business. Students should bring a calculator.

Number of Contestants

Up to two (2) teams of four individuals per chapter/organization will be allowed with all four scores summing the team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for the high individual but not for the team score.

Awards

Awards will be given to the top three teams and the top high individual.

Resources

[https://www.agecon.purdue.edu/extension/programs/fbm21/
Farm & Agribusiness Management - National FFA Organization](https://www.agecon.purdue.edu/extension/programs/fbm21/Farm%20&%20Agribusiness%20Management%20-%20National%20FFA%20Organization)

Contact Info

Contest Coordinator: Madyson Planck – mmpl225@uky.edu

Grading Rubric

Students will be graded on a 25-50 question exam. Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

FFA/4-H Quiz Bowl

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This contest is available for freshmen and below. Each team will answer questions regarding historical events and facts regarding the National FFA Organization and the National 4-H. This will be a team quick recall competition.

Number of Contestants

One team of three-four individuals per chapter/organization. The contestants should only be in grades 7-9.

Awards

Awards will be given to the first and second place teams.

Resources

Other resources for contest preparation: The National FFA Handbook
[Official FFA Manual - National FFA Organization 4-H History](#)
www.kyffa.org www.ffa.org

Grading Rubric

The competition will be played in rounds. Winner of each round will be determined by the first team to reach 10 points, except for the final round which will be to 15. This event will be operated in a quick recall fashion.

Floriculture Evaluation

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Think you know flowers? This contest will give you the opportunity to show off your floral identification skills. Students will identify the scientific/common name of a selection of flowers utilized in the floral industry. In addition, the floriculture team will design a floral arrangement for the theme described on the day of the event. This contest is excellent practice for floriculture evaluation at the Kentucky State Fair.

Number of Contestants

One team of four individuals per chapter/organization with all four scores summing the team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for the high individual but not for the team score.

PLEASE PRE-REGISTER IF YOU HAVE A TEAM DUE TO OBTAINMENT OF FLOWERS

Awards

Awards will be given to the top three teams and the top high individual.

Resources

Other resources for contest descriptions: [FFA Floriculture](#)

Contact Information

Contest coordinators: Amelia Ellis – agel229@uky.edu

Grading Rubric

Students in the floriculture evaluation contest will be assessed based upon: 1) floral ID (100 points), 2) floriculture exam (100 points), and 3) a practicum exercise (100 points). Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

Floral Id Possibility List

1. *Antirrhinum majus* cv. / Snapdragon
2. *Anthurium x andraeanum* cv. /
Anthurium,
3. *Aphelandrasquarrosa* cv. / *Aphelandra*,
Zebra Plant
4. *Begonia x semperflorens-cultorum* /
Wax Begonia
5. *Celosia argentea* cv. / Cockscomb
6. *Chamelauciumuncinatum* / Waxflower
7. *Cholorophytumcomosum* cv. / Spider
Plant
8. *Chrysanthemum x morifolium* cv.
9. /Florist's Chrysanthemum
10. *Crassulaargentea* / Jade Plant
11. *Cymbidium* cv. / *Cymbidium* Orchid
12. *Dianthus caryophyllus* cv. / Carnation
13. *Dracaena cincta* / Red Edge *Dracaena*
14. *Echinocactus* cv. / Barrel Cactus
15. *Erica carnea* cv. / Spring Heath
16. *Eucalyptus polyanthemom* / Silver
Dollar Gum
17. *Euphorbia miliisplendens* / Crown-of-
Thorns
18. *Euphorbia pulcherrima* cv. / Poinsettia
19. *Ficusbenjamina* 'Exotica' / Benjamin
Fig
20. *Ficuselastica* 'Decora' / 'Decora'
Rubber Plant
21. *Ficuspumila* / Creeping Rubber Plant
22. *Freesia x hybrida* / Freesia
23. *Gerbera jamesonii* / Transvaal Daisy
24. *Gladiolus x hortulanus* cv. / Garden
Gladiolus
25. *Gypsophila elegans* cv. / Baby's Breath
26. *Hedera helix* cv. / English Ivy
27. *Hemerocallis* cv. / Daylily
28. *Hostaundulata* / Plantain Lily
29. *Hyacinthusorientalis* cv. / Hyacinth
30. *Impatiens hybrid* cv. / *Impatiens*
31. *Liatrisspicata* / *Liatris*
32. *Liliumlongiflorum* cv. / Trumpet (Easter) Lily
33. *Lobulariamaritima* / Sweet Alyssum
34. *Monsteraadeciosa* / Cutleaf "Philodendron"
35. *Narcissus pseudonarcissus* cv. / Daffodil
36. *Nephrolepisexaltata* cv. / Boston Fern
37. *Paeonia* cv. / Peony
38. *Philodendron scandensoxycardium* / Heartleaf
Philodendron
39. *Pilea nummularifolia* / Creeping Charley
40. *Rhododendron* cv. / Azalea
41. *Rosa hybrid*, Class Hybrid Tea cv. / Hybrid
Tea Rose
42. *Saintpauliaionantha* cv. / African Violet
43. *Salvia splendens* cv. / *Salvia*
44. *Schlumbergerabridgesii* / Christmas Cactus
45. *Senecio cineraria* 'Diamond' / Diamond Dusty
Miller
46. *Solenostemonscutellarioides* / Coleus
47. *Strelitzia reginae* / Bird-of-Paradise
48. *Tagetes species* cv. / Marigold
49. *Tulipa* cv. / Tulip
50. *Zebrinapendula* cv. / Wandering Jew
51. *Zinnia elegans* / *Zinnia*

Practicum Exercise Rubric

Design – 25 Points

Wear-Ability – 25 Points Color Harmony – 25 Points

Logistics (ribbon use, wiring, taping, container selection, etc.) – 25 points

Forestry Evaluation

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An event to help students identify the following in a forest setting- species of trees via leaf and bark, equipment identification, and general forestry knowledge.

Number of Contestants

This event allows up to two (2) teams of four individuals per chapter/organization. All four scores summate the team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for the top high individual but not for the team score.

Awards

Awards will be given to the first, second, and third place teams, along with the top high individual.

Scoring Rubric

Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

Species identification (50 pts):

- Students will identify the species of trees based off an examination of bark, leaves, lumber, or trees.

Tool identification (50 pts)

- Students will be able to identify equipment used in the forestry industry;
- Students will be able to describe the formal use of the piece of equipment; or
- Students will be able to demonstrate how to use the equipment. General Forestry Knowledge (50 pts)

Students will take a written exam covering material not limited to:

- Industry knowledge
- Forest management
- Endangered species
- Forest disorders

Wildlife Identification or Geography (50 points)

- Students will participate in one of the following tasks:
 - Identify wildlife specific to Kentucky
 - Understanding and analyzing topographic maps

Resources

Additional information can be found at:

[Forest Evaluation Training References — 4H Forestry Invitational](#)

Contact Information

Contest coordinator – Lauri Thomas - laurie.thomas@uky.edu

Naythan Jewell - naythan.jewell@uky.edu

Horse Industry Knowledge

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This event will give students a chance to display their knowledge on different aspects of the horse industry. Students will answer questions on the horse industry, virtually judge two classes of horses, and identify equipment/tack. The quiz will cover breeds, gaits, feeds, tack, etc.

Number of Contestants

This event is limited to two (2) teams of four individuals per chapter/organization will be allowed with all four scores summing the team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for the high individual but not for the team score.

Awards

Awards will be given to the first, second, and third place teams, along with the top high individual.

Contact Information

Contest Coordinators: Sara Fouts – skfo227@uky.edu

Scoring Rubric

Students will be graded based upon the number of correct answers. The event breakdown, by points is as follow:

Judging of two classes – 100 points ID/Tack – 100 points

General Knowledge Exam – 100 points

Maximum total individual points – 300 points Maximum total team points – 1200 points

Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

Job Interview Jr. & Sr.

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This competition allows students the opportunity to showcase their skills in a professional setting. Students will be divided into two categories according to grade: Junior- 7th-10th, Senior 11th-12th. Students competing in the senior division should be dressed in Official FFA Attire or Official 4-H Attire. This event will help students polish their skills in landing a job and launching your career. During this competition, each student will interview for a job, of their choice, in agriculture. Each student will need to bring with them a resume and a cover letter to be evaluated by the judges. The letter should be written in regard to the position the student desires to apply for. The selected position should relate to the career objective section of the resume.

Number of Contestants

Limit one contestant per chapter/organization per division.

Awards

Awards will be given to the top 3 contestants per division.

Resources

Other resources for contest descriptions:

Contact Information

Contest coordinators: Kayleen Taylor – kmta241@uky.edu

Grading Rubric

Students in the job interview contest will be assessed based upon a student's ability to develop a quality letter of application and resume, along with a satisfactory complete personal interview.

The students will be scored as on the following

Resume- 50 points	Personal Interview- 200 Points Appearance25
Format10 Content10	First Impression25 Response to Questions25
Grammar & Spelling 10 General	Knowledgeable 25 Communication Skills25
Appearance 10	Conclusion25 Confidence & Poise25
Readability and flow- spacing 10 Cover	Overall Impression/Flow of Conversation25
letter- 50 Points	
Format 10	
Grammar/Punctuation/Spelling 10	
Content 10	
Readability level 10	
General Appearance 10	

Land & Soil Evaluation

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An entry may consist of four participants. The three high scores will be tabulated as the team score, with the low scorer being considered an alternate. Students entered in this contest must have sufficient skills to visually measure the slope of the landscape and evaluate the visible soil profile characteristics for the degree of erosion, internal soil drainage, and profile effects. Additionally, students must be familiar with conservation practices use on landscapes and differing characteristics. The land evaluation contest will be conducted by using the Official FFA land Judging Scorecard. Rules for the land-judging contest are listed below.

Number of Contestants

This event allows up to two (2) teams of four individuals per chapter/organization. All four scores summate a team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for high individual but not for the team score.

Awards

Awards will be given to the first, second, and third place teams, along with top high individual.

Resources

Additional information can be found at [4BA-08MH: 4-H Land Judging in Kentucky](#)

Contact Information

Contest Coordinator – Logan Peters – logan.clyde.peters@uky.edu

Grading Rubric

Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

Contest Rules

- Only clear plastic clipboards and clean manila folders will be allowed.
- No books, paper, rulers or other materials are needed or permitted.
- Pencils and the most current scan sheet must be brought by the contestants.
- Knives to assist in locating soil horizons are permitted.
- No cell phones or pagers are allowed.
- Please keep papers as clean, neat and dry as possible.
- An additional information sheet will be provided for each field.
- Individuals wishing to record their answers may do so on the back of the additional Information sheet provided at the site.
- Answer sheets will be provided when the event is over so that the advisors may review the field with their team.

Lifesmarts Competition

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Open to all 4-H, FFA, & FCCLA members. Teams will test their knowledge in consumer and life skills by participating in a single elimination quick recall tournament. Students should be familiar with the use of quick recall buzzer process – following the moderator’s reading of the question, the first individual to hit their quick recall buzzer will receive permission to answer the question asked.

Number of Contestants

This event allows up an unlimited number of teams of 3-4 individuals per chapter/organization.

Awards

Awards will be given to the first and second place teams.

Resources

[LifeSmarts](#) or contact your County 4-H Agent for more information if needed.

Contact Information

Contest Coordinator – Dr. Kimberly Adams-Leger: kladams@uky.edu

Livestock Evaluation

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The activity will consist of judging 4 classes of livestock. Limited instruction will precede the contest. Students will have 10 minutes per class to evaluate livestock, mark their placing, and take notes. Students should bring a notebook and pencil, as they will be asked questions about livestock in two classes. The question classes will consist of ten questions each. Students should have prior experience marking cards and evaluating livestock. Following the contest, a clinic is provided to anyone who would like to attend.

Number of Contestants

This event is limited to two teams (2) of four individuals per chapter/organization will be allowed with the top four scores summing the team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for high individual but not for the team score.

Awards

Awards will be given to the first, second, and third place teams, along with top high individual.

Resources

Other resources for contest descriptions and scoring:

<http://texas4-h.tamu.edu/wp-content/uploads/Explore-Book-Livestock-Judging.pdf> [Kentucky 4-H Livestock Judging | Animal & Food Sciences](#)

<https://4-h.org/wp-content/uploads/2016/02/Meat-Judging.pdf>

Contact Information

Contest Coordinator – Ann Leed – ann.leed@uky.edu

Grading Rubric

Scoring will be based on evaluation of four different classes of livestock along with a set of questions on one class. Each round will represent a total of 50 possible points per team member.

Meats Evaluation

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This is a combination activity, involving instruction and hands-on experience in the following area: Identification of retail meat cuts; quality and yield grading; and meat placing. Real, fresh meat cuts may be used if available. Students should dress appropriately for a meat facility with cooling temperatures.

CLOSED TOE SHOES ARE REQUIRED

Number of Contestants

This event allows up to two (2) teams of four individuals per chapter/organization. The top four scores summate a team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for high individual but not for the team score.

Awards

Awards will be given to the first, second, and third place teams, along with top high individual

Resources

To assist in preparing teams, the following link provides information for grading and identification: <https://4-h.org/wp-content/uploads/2016/02/Meat-Judging.pdf>
[South Dakota State University Livestock Judging Manual](#)

Contact Information

Contest Coordinator: Morgynne Lunsford – morgynne.lunsford@uky.edu

Grading Rubric

There are a total of 250 points available to each student and 1000 available per team

- 20 Retail Meat Cut Identification – 5pts each/100 points
- 1 Placing Class – 50 points
- 1 Beef Quality (50) and 1 Yield (50) Grading – 100 points
- Reasons for teams competing in KY 4-H State Event (Dependent upon event superintendent)

Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

Nursery Evaluation

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This is a combination activity, involving instruction and hands-on experience in the following area: Identification of woody ornamentals using twigs and leaves. Whole plants may be used if available. Students will receive a brief talk on plant identification, as well as a tour around the greenhouse, before the identification portion begins. Students should dress appropriately for outdoor weather.

Number of Contestants

This event allows up to two (2) teams of four individuals per chapter/organization. All four scores summate a team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for high individual but not for the team score.

Awards

Awards will be given to the first, second, and third place teams, along with top high individual.

Resources

To assist in preparing teams, the following link provides a visual image of many of the plants to be identified:

<https://agriculture.okstate.edu/departments-programs/hla/research-extension/youth/nursery-and-landscape-cde/index.html>

Contact Information

Contest Coordinator: Jake Lyons – jilly224@uky.edu

Grading Rubric

Contestants will be assessed based on the number of points earned, which coincides with the number of plants correctly identified. There are a total of 20 - 30 plants to identify, each being worth 5 points each. Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

Possible Plant List

Acer palmatum cv. / Japanese Maple
Acer platanoides cv. / Norway Maple
Acer rubrum cv. / Red Maple
Acer saccharum cv. / Sugar Maple
Antirrhinum majus cv. / Snapdragon
Aquilegia x hybrida cv. / Columbine
Astilbe hybrid cv. / Astilbe
Crataegus phaenopyrum / Washington Hawthorn
Cynodactylon cv. / Bermudagrass
Epipremnum spp. / Pothos
Euonymus fortunei cv. / Wintercreeper
Fagus sylvatica cv. / European Beech
Festuca spp. and cv / Fescue
Begonia semperflorens-cultorum / Wax Begonia
Betulanigra / River Birch
Buxus microphylla cv. / Littleleaf Boxwood
Cedrus atlantica 'Glaucua' / Blue Atlas Cedar
Cercis canadensis / Redbud
Cornus florida cv. / Flowering Dogwood
Ficus benjamina / Benjamin Fig
Ficus elastica 'Decora' / Decora Rubber Plant
Forsythia x intermedia cv. / Border Forsythia
Fraxinus americana cv. / White Ash
Gardenia jasminoides 'Fortuniana' / Common Gardenia
Ginkgo biloba / Ginkgo, Maidenhair Tree
Gleditsia triacanthos inermis cv. / Thornless Honeylocust
Hedera helix cv. / English Ivy
Hemerocallis spp. and cv. / Day lily
Hosta x hybrida cv. / Plaintain Lily
Hydrangea quercifolia / Oakleaf Hydrangea
Ilex cornuta cv. / Chinese Holly
Ilex crenata cv. / Japanese Holly
Ilex x meserveae cv. / Meserve Holly
Impatiens hybrid cv. / Impatiens
Iris x germanica florentina cv. / Bearded Iris
Juniperus chinensis cv. / Chinese Juniper
Juniperus horizontalis cv. / Creeping Juniper
Lagerstroemia indica cv. / Crape Myrtle
Leucanthemum x superbum cv. / Shasta Daisy
Liquidambar styraciflua / Sweet Gum
Liriodendron tulipifera / Tuliptree
Liriope spp. cv. / Lily-Turf
Lobularia maritima / Sweet Alyssum
Lonicera japonica 'Halliana' / Hall's Japanese Honeysuckle
Magnolia grandiflora cv. / Southern Magnolia
Magnolia x soulangiana cv. / Chinese (Saucer) Magnolia

Malus spp. and cv. / Flowering Crabapple
Nandina domestica / Heavenly Bamboo
Narcissus pseudonarcissus cv. / Daffodil
Paeonia hybrid cv. / Peony
Parthenocissus tricuspidata / Boston Ivy
Pelargonium x hortorum cv. / Zonal Geranium
Pennisetum ruppelia / Fountain Grass
Petunia x hybrida cv. / Petunia
Philodendron scandenoxycardium / Heartleaf Philodendron
Picea abies / Norway Spruce
Picea pungens cv. / Colorado (Blue) Spruce
Pieris japonica / Lily-of-the-Valley Bush
Pinus mugo / Mugo Pine
Pinus strobus / Eastern White Pine
Pinus sylvestris / Scotch Pine
Pinus thunbergiana / Japanese Black Pine
Poa pratensis cv. / Kentucky Bluegrass
Prunus serrulata 'Kwanzan' / Kwanzan Japanese Flowering Cherry
Quercus alba / White Oak
Quercus palustris / Pin Oak
Quercus rubra / Red Oak
Rhododendron x catawbiense / Catawba Hybrid Rhododendron
Rhododendron Hybrid / Exbury Hybrid Azalea
Rosa spp. Class Hybrid Tea cv. / Hybrid Tea Rose
Salvia nemorosa cv. / Meadow Sage
Solenostemon scutellarioides / Coleus
Syringa vulgaris cv. / Common Lilac
Tagetes spp. cv. / Marigold
Taxodium distichum / Bald Cypress
Taxus spp. and cv. / Yew
Thuja occidentalis cv. / American Arborvitae
Tilia cordata / Littleleaf Linden
Tulipa spp. cv. / Tulip
Verbena x hybrida cv. / Garden Verbena
Vinca minor cv. / Periwinkle
Viola x wittrockiana cv. / Pansy
Wisteria sinensis cv. / Chinese Wisteria
Zinnia elegans / Zinnia

Performing Arts Workshop

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Not an 2023 Event

Do you have a talent and would like to take it to the next level? This professional development workshop is open to all 4-H or FFA members interested in practicing and receiving feedback on vocal or instrument skills. Please bring work you would like critiqued and instrument/materials needed. Background music should be on a device that can be connected to sound system by auxiliary cord.

Number of Contestants

No limit of participants per chapter/organization, but preregistration is required.

Awards

No Awards for this event, this is a skill development workshop

Resources

Not Applicable

Contact Information

Workshop coordinator –

Seed Identification

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This UK Field Day event allows members to identify common crop and weed seeds. Participation is limited to 7th - 9th graders who have completed no more than one year of agricultural education. For programs without 7th – 9th grade members, first year 10th grade members would be eligible.

Number of Contestants

Limit to two contestants per chapter/organization.

Awards

Awards will be given to the top 3 contestants

Resources

<http://extension.msstate.edu/sites/default/files/publications/publications/p1397.pdf>

Contact Information

Contest coordinator: Kristen Elrod – Kristen.elrod@uky.edu

Grading

Students will identify 25 seeds valued at 4 points each. In case of a tie, another seed will be selected for the students to identify.

Seed Identification Bank

<u>GRASSES</u>	Ragweed	Red Clover	Popcorn
Kentucky	Wild Onion	Sericea Lespedeza	Radish
Bluegrass	Ox-eye Daisy	Soybean	Rhubarb
Orchard Grass		Sweet Clover	Spinach
Tall Fescue	<u>SMALL GRAIN</u>		Sweet Corn
Timothy	Buckwheat	<u>VEGETABLES</u>	Squash Tomato
Redtop	Wheat	Beans (pole & bush)	Turnip
Sudan Grass	Oats	Beans (lima)	
Red Creeping	Barley	Beets	<u>OTHER</u>
Fescue	Rye	Cabbage	Cotton
Grain Sorghum		Cantaloupe	Tobacco
Bromegrass	<u>LEGUMES</u>	Carrots	
Ryegrass	Alfalfa	Cucumber	
	Alsike Clover	Dill	
<u>WEEDS</u>	Birdsfoot Trefoil	Eggplant	
Cheat (Chess)	Crimson Clover	Endive	
Curl Dock	Crown Vetch	Lettuce	
Dandelion	Hairy Vetch	Parsley	
Giant Foxtail	Kobe Lespedeza	Parsnips	
Johnson Grass	Korean Lespedeza	Peas	
Morning Glory	Ladino Clover	Peppers	

Serving Out Loud

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Students will provide a 3–5-minute presentation and entertain 1 question regarding a proposal they have to improve their community. Students are allowed to deliver their presentation with the use of wireless technology (cordless laptop, tablet, etc.). This is an individual presentation within the grades of 8 – 12.

Civic leadership proposals should fall under one of the following categories:

- Quality of Life = Impacts life experiences, including health, recreation and social services
- Economic & Workforce Development = Addresses poverty and economic self-sufficiency, or stimulates economic growth
- Educating for Tomorrow = Advances access to educational development
- Community Change = Making a meaningful change in people’s lives and neighborhoods

Competitors should utilize the resources that are currently available rather than providing fictitious concepts.

Example of a civic leadership proposal:

- Clearing a trail in a neighborhood park to increase walking
- Developing an anti-smoking campaign at elementary schools
- Creation of a high school internship for juniors with local businesses.

Number of Contestants

Unlimited number of contestants per organization attending. This event can be delivered as an individual or as a team of two.

Contact Information

Contest Coordinator: Abigail Daniel – agda230@uky.edu

Grading Rubric

Professionalism – 15 points Plan Proposal – 30 points

Communication Skills – 20 points Conclusion – 15 points

Questions – 20 points

STEM Challenge

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This Field Day competition is open to any 4-H or FFA members. A Team, consisting of 2-4 members, will work together to build and race clip mobiles using limited resources and limited time. There will be three rounds of competitions at the following times: 10:15-11:00, 11:15-12:00, 12:15-1:00. Teams will be provided 30-minute to construct their car.

Awards

Three 1st place awards will be given to the teams with the fastest designed car at each of the three single elimination bracket time slots.

Resources

Contact your local County 4-H Agent to receive a copy of the curriculum or find it here: [Junk Drawer Robotics | National 4-H Curriculum](#) The curriculum is: Junk Drawer Robotics Book 2.

Number of Contestants

Unlimited number of teams per organization attending. This event can be delivered as a team of 2-4 members of any grade level, or of mixed grade levels.

Contact Information

Contest Coordinator:

Tractor Driving Jr. & Sr.

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This UK Field Day competition allows students the opportunity to showcase their skills in quickly shifting through the gears both forwards and back. Students will be divided into two categories, junior and senior divisions, according to grade: junior- 7-9, senior 10-12. Students will drive a tractor through a uniform course, much like the one used at state 4-H and FFA. Students must also complete a reverse section of the course; the junior division will back a two-wheel wagon while the senior division contestants will back a four-wheel wagon. The competition will be judged based on speed, accuracy, and completion.

Number of Contestants

Limit one contestant per organization per division.

Awards

Awards will be given to the top 3 contestants per division

Resources

[4-H Tractor Driving | Fleming County](#)

Contact Information

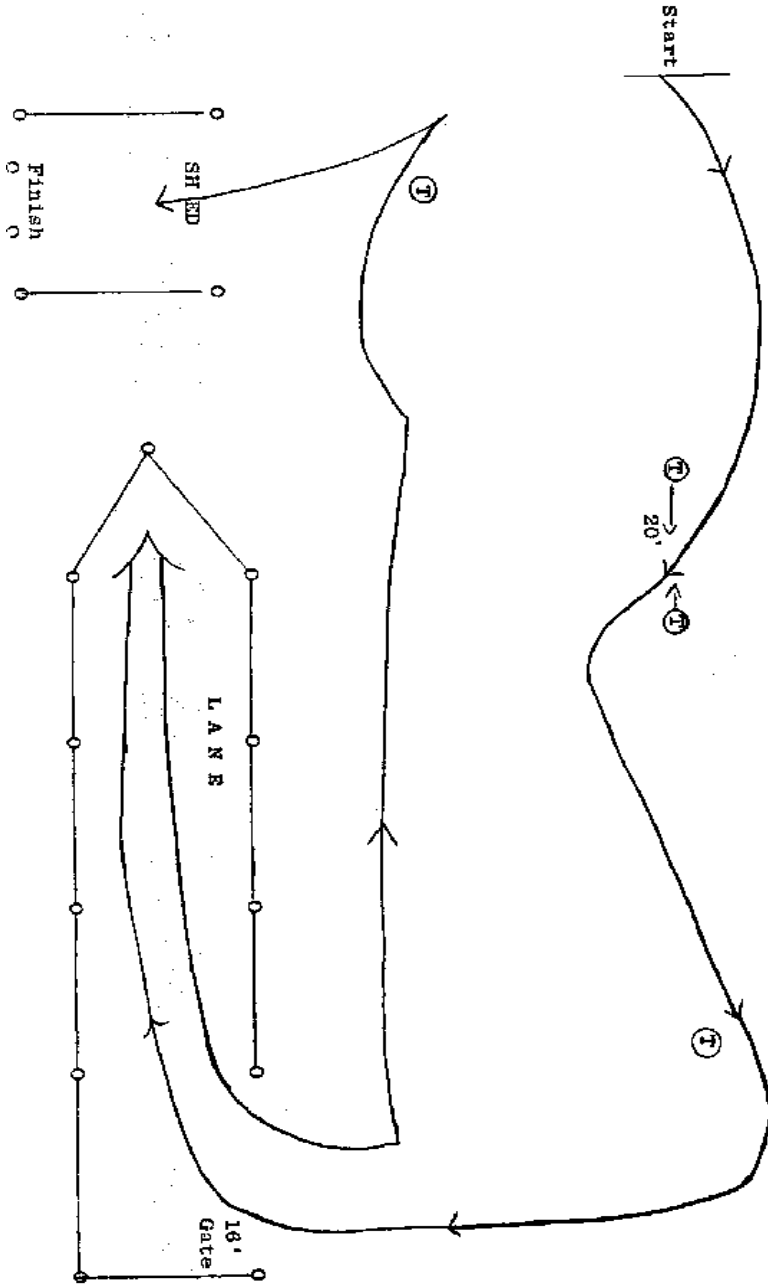
Contest coordinators: James Rogers – jero241@uky.edu

Grading Rubric

The competition will be judged based on accuracy, and completion within a given time allotment

Tractor Driving Course

Lane is four (4) feet wider than Implement used.
Shed is six (6) inches wider than Implement.
Distance Between tire in front of shed and finish line is four (4) feet longer than longest tractor and Implement.



Veterinary Science

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The vet science event is developed to allow students to test their knowledge in several different settings. The vet science event has three sections, a written exam, an identification section, and an application section where students will perform a task associated with veterinary science. Content areas of all three sections will include but may not be limited to Behavior, disease, medical terminology, medical records, anatomy/physiology, regulations, patient management, facility management, and genetics.

Number of Contestants

Limit two teams per chapter/organization. Teams will be made up of 4 individuals. Everyone will complete each section of the event and be calculated in the team score.

Awards

The first, second, and third place teams will receive an award, along with top high individual. A tiebreaker in equal scores will result in identifying the team with the highest overall individual score. If the highest overall individual score is a tie, then the tiebreaker will resort to the team with the highest cumulative score on the exam.

Resources

<https://ffa.app.box.com/s/orbx5td1ic2zwbfaozm19nc3k7ywm5kd>

Contact Information

Contest coordinator: Sophie Dick – smdi231@uky.edu; Marissa Lopez – mlo270@uky.edu

Grading Rubric

Sections 1-2 (written exam and identification) will be graded on a point system. Section 3 (application) will be judged by a local veterinarian/assistant for correctness.

Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

2023 Application Theme – Snare Restraint of the Pig OR Applying a Gauze Dog Muzzle

2024 Application Theme – Placing a Tail Tie OR Restraint of Dog for Cephalic Venipuncture

2025 Application Theme – Applying Elizabethan Collar OR Haltering a Horse

Probable Items for Vet Id

1. Ambubag
2. Animal clippers
3. Autoclave
4. Backhaus towel clamps
5. Balling gun
6. Bands (castration or docking)
7. Basket muzzle Betadine
8. Bulb syringe
9. Carmalt
10. Catch pole (dog snare)
11. Centrifuge
12. Chain twitch
13. Clipper comb
14. Dehorner - Barnes
15. Dehorner - electric
16. Dehorner - scoop or tube
17. Dental floats
18. Dental retractor
19. Dental scaler
20. Drench gun
21. Ear notcher
22. Elastrator
23. Emasculators
24. Endotracheal tubes
25. Fecal loop
26. Fecalyzers
27. Fetal extractor
28. Fingertip toothbrush
29. Forceps - Alligator
30. Forceps- Allis tissue
31. Forceps- Crile
32. Forceps- Kelly
33. Forceps - Rat tooth thumb
34. Hog snare
35. Hoof knife
36. Hoof nippers
37. Hoof pick
38. Hoof rasp
39. Hoof trimmers
40. Humane twitch
41. Identification tag applicator
42. Laryngoscopes
43. Lead shank
44. Nail clippers - guillotine
45. Nail clippers - plier
46. Ophthalmoscope
47. Otoscope
48. Paste gun
49. Pig tooth nippers
50. Rumen magnet
51. Scalpel blade
52. Scalpel handle
53. Scissors- Bandage
54. Scissors- Lister bandage
55. Scissors- Littauer suture removal
56. Scissors- Mayo dissecting
57. Scissors- Metzenbaum dissecting
58. Shedding blade
59. Staple remover
60. Stethoscope
61. Syringe - leur lock
62. Syringe - slip tip
63. Syringe - automatic, multi-dose
64. Tattooing instruments - small & large
65. Tournique

Welding

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The activity will consist of 3 welds to be completed in 12 minutes. The 3 welds required are as follows: a stringer bead done in the flat position, a butt weld done in the vertical up position (the weld is started at the bottom of the joint and finished at the top), and a fillet weld done in the vertical up position. Each contestant will be given 4 electrodes (1/8-e6011) to use in completing their weld specimen. Each weld is to be done using 1 electrode for each bead and the entire length of each electrode is to be used for the weld bead. A practice electrode will be provided to tack the plates together and to use to set the welding current of the welder. Each contestant will be given 3 plates (3/16"x2"x6") on which they are to make completed welds and 1 practice plates to use to set the welder. At site registration, the contestants will be grouped into groups of 8. Verbal instructions will be given and a sample of each completed weld specimen will be shown to each contestant.

Contestants need to bring their own welding gear (helmet, gloves, chipping hammer, jacket, etc.)

Number of Contestants

One team of four individuals per chapter/organization will be allowed with the top three scores summing the team score. If there are only three contestants, all three will be calculated for the team score. Individuals can compete alone for high individual but not for the team score.

Awards

Awards will be given to the first, second, and third place teams, along with top high individual.

Resources

www.millerwelds.com

Contact Information

Contest Coordinator: Ana Saunders – aksa240@uky.edu

Grading Rubric

Contestants will be evaluated for proper welding techniques, safety, and that welds are made in the proper position. Vertical welds not done in a true vertical position or that is started at the top and going down will be scored zero points. Judges' decisions are final. Contestants should be familiar with equipment used and trained in proper welding techniques. Participants will receive an individual score. Individual scores of all four participants will be combined for a team score.

Dress, Safety Habits, & Welding Position	10
Striking Arc, Arc Length, Angle of Electrode, & Speed of Electrode Travel	10
Work Setup	10
Flat Bead Weld	20
Vertical-Up Butt Weld	25
Vertical-Up Fillet Weld	25