
LIVESTOCK SKILLATHON



State 4-H O-Rama
Junior & Senior 4-H'ers



UPDATED JULY 2020

ACTIVITY

The State 4-H Livestock Skillathon Contest will be held via Microsoft Teams on Wednesday, August 12, 2020. **All teams and individuals must be registered via the 4-H Enrollment and Events System by their County Extension Agent by July 28, 2020. The fee for teams is \$35 and the fee for individuals is \$10.**

Contestants will be given access to Microsoft Teams by July 31 to have time to become familiar with Microsoft Teams. All contestants must provide an email address at time of registration in order to be invited to Microsoft Teams.

ELIGIBILITY

The contest is open to both junior and senior 4-H members. Junior contestants must be 9-13 years old as of January 1 of the current year. Senior contestants must be 14 years old on January 1 of the current year but not have had his or her 19th birthday as of January 1 of the current year.

Any 4-H member whose name is entered by his or her county Extension agent will be eligible to enter this contest and compete as an individual. Individuals will be placed on a mixed county team as geographically close as possible. The mixed county team(s) will be eligible for team awards. However, for a county to be eligible for team competition, it must have at least three individuals. A county may enter four individuals on a team, but only the top three scores will count toward the final team score.

CONTEST METHOD OF CONDUCT

1. The contest will be divided into two rounds. In the first round of the contest, contestants will participate in the individual oriented classes. In the second round, the contestants will participate in the team oriented classes.
2. While completing the individual competition classes, there will be no conferring between contestants or between a contestant and anyone else. Contestants should exhibit the utmost integrity while competing in this contest. Contestants will be allowed 20 minutes to complete each individual competition class.
3. Team members will complete one official answer sheet for each team class representing the combined effort of all team members. Teams will be allowed 25 minutes to complete

The University of Arkansas System Division of Agriculture offers all its Extension and Research programs and services without regard to race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.

Revised 07/2020

the group assignment for each class and submit their answers. During the team competition round of the contest, contestants will be allowed to confer only with team members during the time period allowed for each class.

4. Contestants should provide a small pocket calculator (programmable calculators will not be permitted), 2-3 pencils, and paper for taking notes. The contestants are not allowed to use books, notes, pamphlets, or other reference material during the contest.
5. Electronic devices including computers, tablets, or cell phones for the sole purpose of conducting the contest are allowed. It is advisable to use a computer for this contest.

The following is a list of classes for each division:

Junior Division

Individual Classes

1. **Livestock Breed Identification** – Identify from photographs 20 livestock (cattle, sheep, goats, and hogs) breeds.
2. **Livestock Equipment Identification** – Identify the proper name for 20 pieces of equipment used in livestock production. (A list of equipment will be provided.)
3. **Retail Meat Cut Identification** – Identify 15 beef, lamb, and pork retail cuts from the National 4-H Meat Judging Retail ID List (<http://www.meatscience.org/students/meat-judging-program/national-4-h-meat-judging>). Contestants will identify the retail cut specie and retail cut name. (A list of species and retail cut names will be provided.)
4. **Quality Assurance Exercise** – Example tasks include: demonstrate how to read a medicine label, calculate withdrawal times, complete a treatment record, and make responsible management decisions regarding quality assurance. (Only one medicine label will be utilized.)
5. **Quiz** – Complete a 15 question multiple choice quiz concerning the total livestock industry.

Team Classes

1. **Animal Breeding Scenario and Exercise** – Team members will evaluate a breeding/marketing animal scenario and make animal selection/marketing decisions based upon performance/visual data to rank breeding animals or market them for use within the situation. Teams will choose which 4 animals they would keep and which 4 they would cull. Questions may also be asked.
2. **Livestock Feeding** – Identify the proper name for 10 livestock feeds from pictures. A list of feeds will be provided. Utilizing feed tags given, answer questions.

Senior Division

Individual Classes

1. **Livestock Breed Identification** – Identify from photographs 20 livestock (cattle, sheep, goats, and hogs) breeds. Contestants must also match the breed with the most appropriate description supplied for each breed.
2. **Livestock Equipment Identification** – Identify the proper name for 30 pieces of equipment used in livestock production. (A list of equipment will be provided.)
3. **Retail Meat Cut Identification** – Identify 15 beef, lamb, and pork retail cuts from the National 4-H Meat Judging Retail ID List (<http://www.meatscience.org/students/meat-judging-program/national-4-h-meat-judging>). Contestants will identify the retail cut specie, primal cut, and retail cut name.
4. **Hay Judging** – Rank a class of four hay samples with analysis information. Answer questions about the class.
5. **Quality Assurance Exercise** – Example tasks include: demonstrate how to read a medicine label, calculate withdrawal times, complete a treatment record, and make responsible management decisions regarding quality assurance.
6. **Quiz** – Complete a 30 question multiple choice quiz concerning the total livestock industry.

Team Classes

1. **Meat & Carcass Evaluation** – May include ranking one (1) class of four similar retail cuts, evaluate photos of a carcass and also price carcasses using a grid.
2. **Animal Breeding Scenario and Exercise** – Team members will evaluate a breeding/marketing animal scenario and make animal selection/marketing decisions based upon performance/visual data to rank breeding animals or market them for use within the situation. Teams will choose which 4 animals they would keep and which 4 they would cull. Questions may also be asked.
3. **Management, Performance & Marketing Problem** – Determine best options for management and marketing of livestock (i.e. should producers sell calves at weaning, retain ownership through feedlot, combination), when provided with information on markets and performance to evaluate.
4. **Livestock Feeding** – Identify the proper name of 10 livestock feeds from pictures. Utilizing feed ingredients given, formulate a ration for a group of livestock. Questions may also be asked.

AWARDS

Individual and team awards will be given for Evaluation, Identification, Quality Assurance, and Overall.

The winning senior team will be eligible to attend the National 4-H Livestock Skillathon Contest in Louisville, Kentucky. A stipend will be provided by the Animal Science Department to help with trip expenses.

SCORING

- **Overall Individual Score** – Total of all individual competition class points.
- **Overall Team Score** – Determined by adding the highest three team member individual competition class totals with the total accumulated from the team competition classes.
- **Evaluation Individual Score (seniors only)** – Hay Judging Score
 - Tie Breakers: 1. Hay Questions 2. Individual Overall Score
- **Evaluation Team Score (seniors)** – Top 3 individual evaluation scores + Team Meat + Team MPM + Team Feeding + Team Animal Breeding
 - Tie Breakers: 1. Team Hay Questions Score 2. Team Overall Score
- **Evaluation Team Score (juniors)** – Team Animal Breeding + Team Feeding
 - Tie Breakers: 1. Team Animal Breeding Score 2. Team Feeding Score 3. Team Overall Score
- **Identification Individual Score** – Equipment ID + Breeding ID + Retail Meat Cut ID
 - Tie Breakers: 1. Retail Meat Cut ID Score 2. Breed ID Score 3. Equipment ID Score
- **Identification Team Score** – Top 3 scores from individual identification
 - Tie Breakers: 1. Team Retail Meat Cut ID Scores 2. Team Breed ID Scores 3. Team Equipment ID Scores
- **Quality Assurance Individual Score** – Individual QA Score + Quiz
 - Tie Breakers: 1. Quiz Score 2. Individual QA Score 3. Overall Individual Score
- **Quality Assurance Team Score (seniors)** – Top 3 Individual QA Scores
 - Tie Breakers: 1. Team Quiz Score 2. Team QA Score (from Top 3 individual QA scores) 3. Overall Team Score

PREPARED BY

Chelsey Kimbrough, Ph.D. – Associate Professor, Specialty Livestock/Youth Education Specialist