

2024 VETERINARY SCIENCE CDE

Jason Grady– Coordinator

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Location: Riley County Fairgrounds, Pottorff Hall

April 29, 2024

Check-in: 7:15AM-7:45AM; Contest: 8:00AM-11:00AM

In the past year, the National Veterinary Science CDE has changed its contest to be more of a “holistic, hands-on experience”. Due to time restraints on the day of the event and many students competing in multiple contests during the Kansas FFA Career Development Events we are challenged to fully mirror the events associated with the national contest. With these restraints, it is still our goal to allow students the “opportunities to develop technical knowledge and demonstrate practical skills in the field of veterinary science”.

General Information

- Teams will consist of four team members with all four scores counting towards the teams’ score. Schools with less than four members are allowed to compete for individual awards. Teams will be allowed to register five team members on the registration site as a means of including an alternate, but only four will compete in the actual contest. **No additions will be allowed on the day of the contest.**
- Participants should provide their own #2 pencils, clip board, and non-scientific calculator to be used during the contest. (cell phones are NOT allowable as a calculator).
- Official dress is not required. Please dress appropriately for the weather as part of the contest may be outdoors.
- Ties for individual awards will follow this order:
 - Identification scores
 - Written exam scores
 - Math practicum scores
 - Scenario related questions scores
 - Veterinary Science CDE Lab Practicum
- Ties for team awards will follow this order:
 - Team video score
 - Identification scores
 - Written exam scores
 - Math Practicum scores
 - Scenario related questions scores

*****PLEASE NOTE: Due to some feedback from advisors, we WILL NOT implement the video recorded team activity back into the contest. I apologize if any of you have groups that have already worked on this. Instead, we will implement a Veterinary Science CDE Lab Practicum that will include a variety of veterinary related topics such as anatomy, common animal/equipment/feedstuff identification (may not be part of the national list), interpreting information on a veterinary prescription, interpreting a feed label, feed/products that can or cannot be fed to certain animals, understanding drug withdrawal times, basic nutrition of different feed stuffs, types of injections and proper needles for injections, etc.**

Contest Components

1. **Written Exam: 100 Points, 30 Minutes.** The exam will consist of 50 multiple-choice questions for a possible 100 points.
2. **Identification: 100 points, 30 minutes**
Participants will be asked to identify 50 various equipment, parasites and breeds/species samples for a total of 100 points. **The current ID list from the national site will be used, and provided to the students at the contest.** 50 points from equipment, 30 points from parasites, and 20 points from breeds. (list of possible IDs are on the national site) Thirty seconds per identification station, and then five minutes to go back to any ID stations and to complete the form if needed.

3. Practicums: 300 points

- Math Practicum: 100 Points (30 minutes) Questions may cover conversions, dose calculations, dilutions, cost calculations, invoices etc. Conversion chart will be provided.
- Clinical Procedures Practicum: 50 points (15 minutes) Students will need to be able to rank in order the steps and possibly answer multiple choice questions regarding that procedure. Possible clinical procedures to be tested over include:
 - Fecal flotation with fecalyzer
 - Filling a syringe for injection
 - Prepare a surgical pack for sterilization
 - Administer oral tablet/capsule
- Handling and Restraining Practicum: 50 points (15 minutes) Students will need to be able to rank in order the steps and possibly answer multiple choice questions regarding that procedure. Possible handling and restraining procedures to be tested over include:
 - Restraint of the cat in lateral recumbency for femoral venipuncture
 - Placing a tail tie
 - Applying a lead with chain on a horse under the chin
 - Restraint of the small dog for jugular venipuncture
- Veterinacy Science CDE Lab Practicum: 50 points (30 minutes)
- Scenario related questions: 50 points (30 minutes): Small Ruminants: Managing Parasites and Anthelmintic Resistance
 - Resources:
 - [American Consortium for Small Ruminant Parasite Control \(wormx.info\)](http://wormx.info)
 - [ACSRPC | Resource links \(wormx.info\)](http://wormx.info)

References: The following references will be useful in regard to compiling study materials for the event. Updated editions or other similar resources can be helpful in preparing for the event in case these are not available.

Veterinary Assisting: Fundamentals and Applications
ISBN-13: 978-1-4354-5387-6
ISBN-10: 1-4354-5387-5

Small Animal Care and Management, Third Edition
ISBN-13: 978-1-4180-4105-2
ISBN-10: 1-4180-4105-X

Fundamentals of Animal Science
ISBN-13: 978-1-4283-6127-0
ISBN-10: 1-4283-6127-8

McCurnin's Clinical Textbook of Vet Technicians 8th edition
ISBN-978-1-4377-2690-0

National FFA Vet Science Site
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