

## 2025 VETERINARY SCIENCE CDE

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Location: Riley County Fairgrounds, Pottorf Hall

May 5, 2025

Check-in: 7:15AM-7:45AM; Contest: 8:00AM-11:30AM

In recent years, 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 up to four team members on the registration site.
- Participants should provide their own #2 pencils, clip board, and 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
  - Written exam
  - Math practicum/Clinical Applications Practicum
  - Current events/Restraint Practicum
  - Veterinary Science CDE Lab Practicum
- Ties for team awards will follow this order:
  - Identification
  - Written exam
  - Math Practicum/Clinical Applications Practicum
  - Current events/Restraint Practicum
  - Veterinary Science CDE Lab Practicum

### Contest Components

1. **Written Exam: 100 Points, 35 Minutes.** The exam will consist of 50 multiple-choice questions for a possible 100 points.
2. **Identification: 100 points, 35 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-six seconds per identification station, and then five minutes to go back to any ID stations and to complete the form if needed.
3. **Practicums:**
  - Math practicum and clinical applications practicum: 120 Points (35 minutes)
    - Math Practicum: questions may cover conversions, dose calculations, dilutions, cost calculations, invoices etc. Conversion chart will be provided.
    - Clinical Procedures Practicum: rank in order the steps and possibly answer multiple choice questions regarding that procedure. Clinical application procedures to be tested over include:
      - Swabbing A Lesion
      - Cystocentesis in Companion Animals
      - Ear Notching for Identification in Piglets
      - Applying an Electronic Ear Tag to Livestock

- Veterinary Science CDE Lab Practicum: 150 points (35 minutes)
  - Participants will be asked 50 questions covering a variety of veterinary related topics such as cardiovascular and musculoskeletal anatomy and physiology, common animal/equipment/instrument/feedstuff identification and usage (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, radiology and radiographic positioning, and general knowledge. Thirty-six seconds per station, and then five minutes to go back to any ID stations and to complete the form if needed.
  
- Current events and handling and restraint practicum: 120 points (35 minutes)
  - Handling and Restraining Practicum: rank in order the steps and possibly answer multiple choice questions regarding that procedure. Handling and restraining procedures to be tested over include:
    - Restraint of a piglet
    - Lifting hind foot of a horse
    - Removing a cat from a cage and wrap in a fear-reduced manner
    - Restraint of the cat for jugular venipuncture
  - Current events topics and resources to be tested over:
    - Shelter Medicine and Community Animal Health
      - The Association of Shelter Veterinarians. (2022). The Guidelines for Standards of Care in Animal Shelters: Second Edition. Journal of Shelter Medicine and Community Animal Health, 1(2), 1–76.  
[View of The Guidelines for Standards of Care in Animal Shelters | Journal of Shelter Medicine and Community Animal Health](#)

**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 8<sup>th</sup> edition  
 ISBN-978-1-4377-2690-0

National FFA Vet Science Handbook  
[Veterinary Science Handbook.pdf | Powered by Box](#)