

# Vet Science

**Contact:** Taylor Belle Matheny, tmatheny@ksu.edu

**Location:** Remote/Virtual

**Contest Date:** Friday, May 7th, 7:45-10:20 a.m.

## 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 as members can participate for individual awards.
- This year the exam will be given remotely. We are still working on the details, but the contest is planned to have the same components as it has had in recent years.
- Participants should provide their own non-scientific calculator to be used during the contest. (cell phones are NOT allowable as a calculator). Ideally the exam will be taken on a computer. Please let me know if it will not be possible for students to take the contest via an online computer based format.
- This year the contest components will be all multiple choice.
- Ties for both team and individual awards will follow this order
  - Identification scores
  - Written exam scores
  - Math practicum scores
  - Current event scores
  - Handling and restraint practicum scores
  - Clinical procedure practicum scores

\*\*\*PLEASE NOTE: Teams will be allowed to register 5 team members on the registration site as a means on including an alternate, but only 4 will compete in the actual contest.

\*\*\*PLEASE NOTE: The committee will select 4-8 procedures from the national site to test the students on. Based on those procedures, students will need to be able to rank the order of steps to complete the procedure and possibly answer multiple choice questions regarding that procedure.

## Contest Components

**1. Written Exam: 100 Points, 45 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. 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, and then five minutes to go back to any ID stations and to complete the form.

**3. Practicums: 250 points**

- **Math Practicum: 100 Points-** Questions may cover conversions, dose calculations, dilutions, cost calculations, invoices etc. (30 minutes)
- **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:
  - Filling a Syringe for Injection
  - Bandage Removal
  - Administering an Intramuscular Injection
  - 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
  - Applying a Gauze Dog Muzzle
  - Snare Restraint of the Pig
  - Haltering A Horse
- Current Events Practicum: Current event topic will be Veterinarians Role in Animal Welfare. 10-20 questions 50 points (20 minutes). Here are some resources to research the veterinarians role.
    - <https://www.avma.org/resources-tools/animal-health-and-welfare/animal-welfare-profession>
    - <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3923474/>
    - [https://www.aphis.usda.gov/aphis/ourfocus/animalwelfare/awa/ct\\_awa\\_program\\_information](https://www.aphis.usda.gov/aphis/ourfocus/animalwelfare/awa/ct_awa_program_information)

**References:** The following references will be useful in regards 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-[https://www.ffa.org/SiteCollectionDocuments/cde\\_vetscience.pdf](https://www.ffa.org/SiteCollectionDocuments/cde_vetscience.pdf)

