

**VETERINARY SCIENCE**  
**Jason Grady – Coordinator**  
jgrady@vet.k-state.edu  
**2022 State Contest**  
**Weber Arena**  
**Date and Time: TBD**  
**Check-in 7:45AM-8:00AM**

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.
- The National Veterinary Science CDE has removed the current event practicum, but has replaced it with the topic of “The role of biosecurity in food animal veterinary medicine”. With this minor change we will use this topic as our current event portion of the practicum. A link will be provided below. Practicum questions will come from the provided link.
- Participants should provide their own #2 pencils and non-scientific calculator to be used during the contest. (cell phones are NOT allowable as a calculator). Currently the plans will be that we will
- Contest components will be all multiple choice except for identification.
- 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 of 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, and provided to the students.** 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. Conversion chart will be provided. (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:
  - ♣ Fecal Flotation with Fecalyzer
  - ♣ Prescription Filling
  - ♣ Surgical Site Preparation
  - ♣ Opening a Surgery Pack
- 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 small dog for jugular venipuncture
  - ♣ Restraint of a rabbit
  - ♣ Removing dog from floor level cage to restrain for lateral saphenous venipuncture
  - ♣ Haltering ruminants
- Current Events Practicum: **The role of biosecurity in food animal veterinary medicine** 20-30 questions 50 points (30 minutes). Here is the link for students to research the veterinarian's role.

<https://www.cfsph.iastate.edu/biosecurity/>

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

National FFA Vet Science Site  
<https://ffa.app.box.com/s/6qrys2mcsgjo4ia801ur7vi2p1bsn60p>