



VET SCIENCE CDE

(Revised May 2023)

PURPOSE

The purpose of the veterinary science career development event is to promote college and career readiness by providing opportunities to develop technical knowledge and demonstrate practical skills in the field of veterinary science.

ELIGIBILITY

The participant must be an active member of a chartered West Virginia FFA Chapter and enrolled in grades 9th-12th grade.

EVENT PROCEDURE

The event will be a team event consisting of four students. A team may compete with less than 4 members.

Under no circumstances will any participants be allowed to handle any of the items in the identification portion of the practicums. Any infraction of this rule will result in team elimination from the event.

All participants must wear either scrubs (top and bottoms; solid color) or polo with slacks. All participants must wear closed toe, closed heel and flat shoes (no clogs, sandals or flip-flops).

EVENT MATERIALS

MATERIALS STUDENTS MUST PROVIDE

- Pencils
- Clipboards

TIE BREAKER

1. Combined practicum score
2. Written Exam Score

INDIVIDUAL PRACTICUMS

3. Identification - 100 points total Participants will identify equipment, parasites and breeds/species for a total of 100 points (2 points per item). Fifty minutes will be given for this activity. Identification lists are located at the end of this handbook.

Equipment – 50 points Participants will identify pieces of equipment (actual equipment and photos). They will also need to have general knowledge about the use for each item.

Parasites/Microscopic – 30 points Participants will identify parasites (specimen and photos) and explain the life cycles of selected parasites. Participants will identify microscopic organisms.

Breeds – 20 points Participants will identify breeds of small and large animals (photos).

4. Fifty (50) question objective multiple-choice exam will be prepared on topics reflecting subject areas in the contest objectives. Contestants are allowed 50 minutes to complete this phase. Each correct answer is worth three (2) points. Test questions will be pulled from the past 5 years of National FFA Exams.

Clinical Procedure Practicum (100 points) Participants will be given two clinical procedure activities to complete (50 points each). Fifteen to thirty minutes will be allotted for this section depending on the activities selected each year. Participants are expected to talk through the clinical procedure steps to a judge as they are being scored. Judges may ask participants for clarification on steps performed. All clinical procedure scorecards can be found at the end of this handbook.

Handling and Restraining Practicum (60 points) Participants will be given two handling/restraint activities to complete (30 points each). Fifteen to thirty minutes will be allotted for this section depending on the activities selected each year. Participants are expected to talk through the handling and restraining steps to a judge as they are being scored. Judges may ask participants for clarification on steps performed. All handling and restraining scorecards can be found at the end of this handbook.

Math Applications Practicum – 100 points Five math practicum questions will be used. Participants will have 30 minutes to complete the entire math application practicum. Questions may include conversions, dose calculations, dilutions, cost calculations and invoices.

Example: Sophie, a golden retriever, and her owner have just moved from out-of-state and are reestablishing veterinarian relations at your clinic. Sophie's owner has provided you with her health records from their previous veterinarian. Sophie had been prescribed a diet plan by the previous veterinarian and had been coming into the clinic for weekly weight checks. Sophie's owner would like to continue the weekly checks with you. You weigh Sophie and record her weight as 19 kg. The owner would like you to tell her how much weight Sophie has lost. Sophie's last recorded weight was 43.2 lb. How many pounds did Sophie lose since the last weighing? ANSWER: Sophie has lost 1.4 lb. since the last recorded weighing.

TEAM PRACTICUMS

Team Activity - 300 points Teams will conduct research using local veterinarians and veterinary resources based on the annual topic posted on the CDE webpage in November. The team will be provided a specific scenario when they begin their team activity. They will have a total of 15 minutes to prepare their presentation. The Preparation will not be scored. Teams will evaluate the information provided and prepare the questions, diagnostics and recommendations as well as explain steps and procedures for the veterinary process in their plan. Teams need to determine what aspects of veterinary medicine and roles are most important to demonstrate based on the annual topic. After preparation, the team will be required to give an oral presentation for a maximum of 15 minutes explaining decisions made by the team. All team members are expected to participate in the presentation. The team will then be required to answer questions from judges regarding the decisions reached by their team. Resources provided for the team activity may include diagnostic information like blood work, synopsis of disease state, treatment recommendations and cost information

SCORING

| Practicum | Activity | Individual | Team |
|------------------------|--------------------------|------------|------|
| General Knowledge Exam | Written Exam | 100 | 400 |
| Individual | Current Exam | 100 | 400 |
| Individual | ID | 100 | 400 |
| Individual | Math Exam | 100 | 400 |
| Individual | Handling and Restraining | 60 | 240 |
| Individual | Clinical Procedures | 100 | 400 |
| Team Activity | | | 300 |
| TOTAL | | | 2540 |

RESOURCES

The state contest will utilize the National Handbook for the following areas:

- Handling and Restraining (the rubrics from the National Handbook will be utilized)
- Clinical Procedures (the rubrics from the National Handbook will be utilized)
- Identification Lists
- Team Activity (the presentation rubric will be utilized).

LINK TO NATIONAL HANDBOOK:

<https://ffa.app.box.com/s/op9gf8zsazndqhlhbvaegb7e4e15qjyandbook>