VET SCIENCE CDE 2026

West Virginia

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 participates 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

Practicum	Activity	Individual	Team
General Knowledge Exam	Written Exam	100	400
Individual	ID	100	400
Individual	Math Exam	100	200
Individual	Handling & Restraining	60	240
Individual	Clinical Procedures	100	400
		Team Activity	300
		Total	2140

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/op9gf8zsazndqlhlhbvaegb7e4e15q jyandbook

Equipment and Materials Identification List

101 Anesthetic machines
102 Autoclave
103 Autoclave tape indicator
104 Backhaus towel clamps
105 Balling gun
106 Bandaging material — Elasticon
107 Bandaging material — roll gauze
108 Bandaging material — vet wrap
109 Bands (castration or docking)
110 Cat bag
111 Catheter — IV
112 Catheter — Tomcat urinary
113 Cattle Handling Restraint Device
114 Cautery
115 Centrifuge
116 Chemical indicator strips
117 Dehorner — Barnes
118 Dehorner — electric
119 Dental scaler
120 Dental/Power Float
121 Ear notcher
122 Elastrator
123 Electronic ID Reader
124 Elizabethan collar
125 Emasculators
126 Endotracheal tubes
127 Fecal loop
128 Fecalyzer
129 Fetal extractor — calf
130 Forceps — Allis tissue
131 Forceps — Babcock tissue
132 Forceps — Brown-Adson thumb
133 Forceps — Crile
134 Forceps — Kelly
135 Forceps — Rat tooth thumb
136 Forceps —Rochester Carmalt
137 Hog snare
138 Hoof knife
139 Hoof rasp
140 Humane Twitch
141 IV Fluid Bag
142 Large Animal Ear Tagger
143 Muzzle — basket
144 Muzzle — nylon
145 Needle holder — Olsen-Hegar
146 Obstetrical chain and handle
147 Ophthalmoscope
148 Otoscope
149 Pig tooth nippers
150 Rumen magnet
151 Scalpel blade
152 Scalpel handle
153 Scissors — Lister bandage
154 Scissors — Mayo dissecting
155 Scissors — Metzenbaum dissecting
156 Scissors — Utility Bandage
157 Silver nitrate sticks
158 Snook ovariohysterectomy hook
159 Speculum — Equine
160 Speculum — Frick/Bovine
161 Staple remover
162 Stethoscope
163 Syringe — automatic, multi-dose
164 Syringe — Leur Lock
165 Syringe — Slip Tip
166 Tattooing instruments
167 Thermometer
168 Tonometer
169 Trocar and cannula

Parasite/Microscopic Identification List

201 Avian red blood cell (erythrocyte)
202 Calcium oxalate crystals
203 Cat Warble (Genus Cuterebra)
204 Cocci (bacteria)
205 Coccidia (Genus Isospora or Eimeria)
206 Demodectic Mite (Genus Demodex)
207 Ear Mite (Family Psoroptidae; Genus Otodectes)
208 Eosinophils
209 Flea Tapeworm Egg (Genus Dipylidium)
210 Flea Tapeworm Segment (Genus Dipylidium)
211 Giardia (Genus Giardia)
212 Heartworm Adult (Genus Dirofilaria)
213 Heartworm Microfilaria (Genus Dirofilaria)
214 Hookworm Adult (Family Ancylostomatidae; Genus Ancylostoma, Uncinaria, Bunostomum or Globocephalus)
215 Hookworm Egg (Family Ancylostomatidae; Genus Ancylostoma, Uncinaria, Bunostomum or Globocephalus)
216 Horse Strongyles (Family Strongylidae; Genus Strongylus)
217 Liver Fluke (Class Trematoda; Genus Fasciola, Fascioloides or Dicrocoelium)
218 Mammalian red blood cell (erythrocyte)
219 Mast cells
220 Mosquito Larva (Family Culicidae; Genus Anopheles, Culex or Aedes)
221 Neutrophils
222 Platelets
223 Rods (bacteria)
224 Roundworm Adult (Family Ascarididae or Toxocaridae; Genus Toxocara, Toxascaris, Ascaris, Parascaris or Neoascaris)
225 Roundworm Egg (Family Ascarididae or Toxocaridae; Genus Toxocara, Toxascaris, Ascaris, Parascaris or Neoascaris)
226 Sarcoptic Mite (Family Sarcoptidae; Genus Sarcoptes or Notoedres)
227 Struvite crystals (triple magnesium phosphate)
228 Taenia Tapeworm Egg (Family Taeniidae; Genus Taenia)
229 Taenia Tapeworm Segment (Family Taeniidae; Genus Taenia)
230 Tick — American Dog (Family Dermacentor; Genus variabilis)
231 Tick — Black Legged Deer (Family Ixodes; Genus scapularis)
232 Tick — Brown Dog (Family Rhipicephalus; Genus sanguineus)
233 Tick — Lonestar (Family Amblyomma; Genus americanum)
234 Urate crystals
235 Whipworm (Genus Trichuris)
236 Whipworm Egg (Genus Trichuris)
237 Yeast (cytology)

Breed/Species Identification List

DOGS

301 *Herding Group*
302 Australian Cattle Dog
303 Australian Shepherd
304 Border Collie
305 Collie
306 German Shepherd Dog
307 Old English Sheepdog
308 Pembroke Corgi

Hound Group
309 Basset Hound
310 Beagle
311 Bloodhound
312 Dachshund
313 Greyhound
314 Rhodesian Ridgeback

Non-Sporting Group
315 Bichon Frise
316 Boston Terrier
317 Bulldog
318 Chow Chow
319 Dalmatian
320 Poodle

Sporting Group
321 Brittany Spaniel
322 Cocker Spaniel
323 English Setter
324 German Shorthaired Pointer
325 Golden Retriever
326 Irish Setter
327 Labrador Retriever
328 Weimaraner

Terrier Group
329 Bull Terrier
330 Cairn Terrier
331 Parson Russell Terrier
332 Scottish Terrier
333 West Highland White Terrier

Toy Group
334 Cavalier King Charles Spaniel
335 Chihuahua
336 Miniature Pinscher
337 Papillon
338 Pekingese
339 Pomeranian
340 Toy Poodle
341 Pug
342 Shih Tzu
343 Yorkshire Terrie

Working Group
344 Bernese Mountain Dog
345 Boxer
346 Doberman Pinscher
347 Great Dane
348 Great Pyrenees
349 Mastiff
350 Newfoundland
351 Rottweiler
352 Saint Bernard
353 Siberian Husky

CATS

354 Abyssinian
355 American Shorthair
356 Burmese
357 Maine Coon
358 Manx
359 Persian
360 Ragdoll
361 Russian Blue
362 Siamese
363 Sphynx

BIRDS

364 African Gray Parrot
365 Canary
366 Cockatiel
367 Cockatoos
368 Love Birds
369 Macaw
370 Parakeet
371 Sun Conure
372 Zebra Finch

REPTILES

373 Bearded Dragon
374 Chameleon
375 Gecko
376 Iguana
377 Ball Python
378 Burmese Python
379 Corn Snake

POULTRY
380 Chicken — Cornish
381 Chicken — Leghorns
382 Chicken — Plymouth Rock
383 Chicken — Rhode Island Red
384 Duck
385 Turkey

SMALL MAMMALS
386 Ferret
387 Guinea Pig
388 Hamster
389 Hedgehog
390 Mouse
391 Rat

RABBITS
392 Angora
393 Californian
394 Dutch
395 English Spot
396 Holland Lop
397 Mini-Rex
398 Netherland Dwarf
399 New Zealand

DAIRY CATTLE
400 Ayrshire
401 Brown Swiss
402 Guernsey
403 Holstein
404 Jersey

BEEF CATTLE
405 Angus
406 Brahman
407 Charolais
408 Hereford
409 Shorthorn

HORSE
410 Appaloosa
411 Arabian
412 Belgian
413 Clydesdale
414 Morgan
415 Paint
416 Percheron
417 Quarter Horse
418 Saddlebred
419 Tennessee Walking Horse
420 Thoroughbred

GOAT
421 Nubian
422 Angora
423 Boer
424 LaMancha

SHEEP
425 Columbia
426 Dorper
427 Dorset
428 Hampshire
429 Merino
430 Rambouillet
431 Southdown
432 Suffolk

SWINE
433 American Landrace
434 Berkshire
435 Chester White
436 Duroc
437 Hampshire
438 Yorkshire