**Veterinary Science Career Development Event**

**Purpose:**

This contest is designed to assess student knowledge & abilities in the area of small & large animal veterinary medicine. Teams will be composed of 1 to 4 FFA members.

**Event Information:**

The event will take approximately 3 - 3.5 hours. Each student will be required to bring the following materials to the event: business dress (no jeans with holes and a collared shirt), clip board, pencils, & a calculator (cell phones not allowed).

**General Exam: 30 Minutes 100 points**

There will be 50 multiple choice questions worth two points each. Please see appendix for test bank of questions.

**Breed Identification: 30 minutes 100 points**

Students must identify 50 breeds of animal taken from the breed list will be presented to contestants to identify as photographs. Students will be provided the breed list during the competition & asked to place the number corresponding to a certain breed on the answer sheet. Each breed identified will be worth two points. Breed identification slides will include the average size of the breed or species so that students will be able to accurately identify the animal from a picture.

*Please see the appendix A for the breed list.*

**Equipment, Tool and Parasite Identification: 30 minutes 100 points**

Each student will identify 50 surgical & animal care equipment, tools, and parasites (adults &/or eggs). Students will be provided an equipment list and a parasite list during competition & asked to place the number corresponding to a certain piece of equipment or parasite on the answer sheet. Each item identified will be worth two points. Approximately 40 pieces of equipment from a list and 10 parasites from a list will be selected to correctly be identified either real items or photographs.

 *See appendix B and D*

**Practicums: 30 minutes 100 points**

Each student will choose one of four practicums. Practicums may be performing the skill or answering questions related to performing that skill (Example: properly filling a syringe & administering medication may be reading how much medication is in a syringe or if a medication is being administered using the right route rather than actually using a needle & syringe). Practicums A, B, C and D will be completed by only one team member. Each team member will choose one of these 4 practicums. No two team members can choose the same practicum.

Students will choose the appropriate practicum at check in.

1. Patient History & filling out medical record – one team member \*
2. Set up a fecal flotation – one team member \*
3. Properly fill a syringe and administer a medication – one team member \*
4. Demonstrate a gauze/nylon muzzle application & quick release knot – one team member \*

 *\* See appendix E for rubric & chart.*

**Scoring:**

Individual & team scores will be calculated for the event. The individual score will be calculated as follows:

General Exam 100 points

Breed Identification 100 points

Equipment, Tool and Parasite Identification 100 points

Practicum 100 points

 **Total Points 400 points**

In event of an individual tie, the placing will be determined by the general exam score, the breed identification score, & the first practicum score in that order.

The team score will be calculated as follows:

Three top individual scores @ 400 points 1200 points

**References:**

The following are suggested references to use in preparation for this CDE.

***Veterinary Medicine***

Veterinary Assistant: Fundamentals & Applications by Beth Vanhorn & Robert W. Clark –

 Delmar Publishing 2011.

Principles & Practice of Veterinary Technology by Paul W. Pratt

The Merck Veterinary Manual – Merck & Co. or <http://www.merckvetmanual.com/>

Veterinary Science Teachers Guide – Team Ag Ed & Cornell Educational Resources Program, 2003. (CDROM)

Parasitology Identification Tutorial-- <http://cvm.msu.edu/courses/mic569/docs/parasite/>

Veterinary Medical Terminology by Dawn Christenson

Veterinary Surgical Instruments-- <http://207.62.207.35/vet01/vett53a/vett53Anotes/notes03a.htm>

***Small Animal Care***

Small Animal Care & Management by Dean M. Warren, Delmar Publishing

Small Animal Handling & Restraint Handbook -

Introduction to Livestock and Companion Animals –Interstate Publishing

***Large Animal Care***

Agripedia—University of Kentucky-- <http://www.ca.uky.edu/Agripedia/>

Handbook of Livestock Management by Richard A. Battaglia

Modern Livestock & Poultry Production by James R. Gillespie

***Breed References***

Breeds of Livestock—Oklahoma State University-- <http://www.ansi.okstate.edu/breeds/>

American Kennel Club – The Complete Dog Book & [www.akc.org](http://www.akc.org/)

Cat Fanciers Association – [www.cfa.org](http://www.cfa.org/)

American Rabbit Breeders Association – [www.arba.net](http://www.arba.net/)

American Cavy Breeders Association – [www.acbaonline.com](http://www.acbaonline.com/)

***Anatomy and Physiology***

Introduction to Veterinary Science – Delmar

Dog & Cat Anatomy Flashcards – [www.bryanedwards.com](http://www.bryanedwards.com/)

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***Appendix A: Breed List***

**Dogs:**

1. Basset Hound
2. Beagle
3. Border Collie
4. Boxer
5. Bulldog
6. Chihuahua
7. Chinese Shar-Pei
8. Cocker Spaniel
9. Collie
10. Dachshund
11. Doberman Pinscher
12. English Setter
13. German Shepherd Dog
14. German Shorthaired Pointer
15. Golden Retriever
16. Great Dane
17. Great Pyrenees
18. Greyhound
19. Labrador Retriever
20. Maltese
21. Miniature Schnauzer
22. Pembroke Welsh Corgi
23. Pomeranian
24. Poodle
25. Pug
26. Rottweiler
27. Saint Bernard
28. Shih Tzu
29. Siberian Husky
30. Yorkshire Terrier

**Cats:**

1. Abyssinian
2. American Shorthair
3. Bengal
4. Birman
5. Burmese
6. Cornish Rex
7. Maine Coon
8. Manx
9. Persian
10. Scottish Fold
11. Siamese
12. Turkish Angora

**Rabbits:**

1. Californian
2. Dutch
3. English Angora
4. Flemish Giant
5. Himalayan
6. Jersey Wooly
7. Mini Lop
8. Mini Rex
9. Netherland Dwarf
10. Polish
11. Satin
12. New Zealand
13. Tan

**Pocket Pets:**

1. Abyssinian (*Guinea Pig)*
2. American (*Guinea Pig)*
3. Peruvian (*Guinea Pig)*
4. Texel (*Guinea Pig)*
5. Chinchilla
6. Hamster
7. Gerbil
8. Degus
9. Ferret
10. Hedgehog
11. Mouse
12. Rat

**Equine:**

1. Appaloosa
2. Arabian
3. Belgian
4. Clydesdale
5. Haflinger
6. Miniature Horse
7. Morgan
8. Donkey
9. Paint
10. Percheron
11. Quarter Horse
12. Standardbred (w/cart)
13. Tennessee Walker
14. Thoroughbred (w/ jockey or saddle)

**Dairy Cattle**

1. Ayrshire
2. Brown Swiss
3. Guernsey
4. Holstein
5. Jersey
6. Milking Shorthorn

**Beef Cattle**

1. Angus
2. Belted Galloway
3. Brahman
4. Charolais
5. Hereford
6. Limousin
7. Maine-Anjou
8. Texas Longhorn
9. Shorthorn
10. Simmental
11. Scottish Hilander

**Swine**

1. Berkshire
2. Chester White
3. Duroc
4. Hampshire
5. Landrace
6. Poland China
7. Spotted
8. Yorkshire

**Sheep**

1. Cheviot
2. Columbia
3. Dorset
4. Hampshire
5. Montendale
6. Merion
7. Jacob
8. Rambouillet
9. Southdown
10. Suffolk

**Goats**

1. Alpine
2. Boer
3. LaMancha
4. Nubian
5. Pygmy
6. Saanens
7. Toggenburg
8. Angora
9. Oberhase

***Appendix B: Parasite Identification & Disease List***

**Parasite Identification (Adults & Eggs)**

1. Bots
2. Coccidia
3. Dipylidium Tapeworm (Flea tapeworm)
4. Fleas
5. Giardia
6. Hookworm
7. Heartworm microfilaria
8. Heartworms
9. Lice
10. Liver Fluke
11. Mites
12. Roundworm
13. Strongyles
14. Taenia Tapeworm
15. Ticks
16. Whipworm