

# SMALL ANIMAL Career Development Event

## GENERAL INFORMATION AND RULES

### CDE purpose:

This contest is designed to assess student knowledge, application, analytical, and evaluation abilities, in the area of small animal care, veterinary skills, and pet store management

### CDE Outline:

The CDE will follow the following guidelines

Section I	Written Test	200 points
Section II	Identification	200 points
Section III	Practicums	100 points

The CDE will cover the following species

1	Dogs
2	Cats
3	Birds
4	Fish
5	Rabbits

### Description of student involvement:

- Four students per team will be allowed to compete in the CDE
- Each member of the team will complete the contest individually
- The top three scores on the team will constitute a team score
- Students will be allowed the following time limits for the contest

<u>Section of CDE</u>	<u>Time limit</u>
A. Written Exam	45 minutes
B. Breed Identification	45 minutes
C. Practicums	45 minutes

Official Dress or appropriate FFA attire is required. Refer to Rule 1-A-5 on page 1.1.

### Details of CDE:

#### Section 1      Written Test      200 points

50 multiple-choice questions @ 4 pts. each

Listed below are the topics and the percentage of the test allocated to each topic:

<u>TOPIC</u>	<u>% OF TEST</u>
-Anatomy and Physiology	20
-Nutrition	20
-Diseases and Parasites	20
-Breeding and Genetics	20
-Breeds and Grooming	10
-Housing and Management	10

See Appendix A for a list of information included in each topic.

**Section 2**      Identification    200 points

- Identification of 50 breeds, families or parasites @ 4 pts each
- Photos, paintings, or live specimens may be used as samples
- The number of samples from each category will be:

- Dogs                    15
- Cats                    10
- Birds                    5
- Fish                    10
- Parasites              5
- Rabbits                5

See Appendix B for a list the breeds, families, and parasites that may be included in the test.

**Section 3**      Practicums            100 points

There will be 2 practicums @ 50 points each

Rotation	Years	Anatomy	Problem Solving
1	2010, 2013	skeleton, digestion/excretory and nervous (mammal)	pet food problems, fish problems
2	2008, 2011	reproduction, respiration and vascular (mammal)	sales problems, kennel management problems
3	2009, 2012	skeleton, digestion/excretory and reproduction (avian/fish)	Nutrition problems, health issues.

- Descriptions of each practicum

**A Anatomy (50 points)**

-The contestant will identify parts and/or answer questions relating to the topic as listed in the chart above for the current year's event.

**B Problem Solving (50 points)**

-Contestants will solve problems relating to the topic as listed in the chart above for the current year's event. May be problems dealing with issues relating to the topic or a series of mathematical problems related to animal care.

**References and Resources:**

See Appendix E for a list of suggested references and resources

See Appendix F for addresses of suppliers of references and resources

**APPENDIX A:**  
**LISTING OF TOPIC AREAS FOR WRITTEN EXAM**

**ANATOMY AND PHYSIOLOGY**

Skeletal

- Avian
- Mammalian
- Fish

Muscles

- Major types and locations
- Physiology and functions

Digestion

- Parts and how they function
- Comparison between species

Skin

- Glands
- Layers/Attachments
- Hair/Claws

Reproduction

- Parts and how they function
- Comparisons of male and female
- Comparisons between species
- Gestation, Parturition, Litter size, Estrus Cycles

Nervous System

- Components and how they work
- Sense organs - How they work (eyes, nose, mouth, ears)
- Comparison between species

Circulatory System

- Arteries, Veins, Capillaries
- Blood Composition

Lymph System

- Location
- Functions

Respiratory System

- Parts and how they functions
- Air exchange

**NUTRITION AND FEEDING:**

Classes

- Uses/functions
- Sources

Diets

- Growth
- Maintenance
- Working/Active
- Geriatric
- Reducing

Digestibility

- Comparison of feeds

Specific Diets

- Components
- Quality
- Quantity

Food Labels

- Comparative

-Composition

-Ingredients

Costs of Food

Math computations involving feeding

Label Reading of pet foods

## **DISEASES AND PARASITES**

Causes

Treatments/cures

Prevention

Listing of Specific Diseases and Parasites

-DOGS	Colic	Roundworm
	Parvo	Tapeworm
	Distemper	Flea Tapeworm
	Rabies	Hydatid
	Hepatitis	Whipworm
	Kennel Cough	Heartworm
	Leptospirosis	Tick
	Ringworm	Fleas
	Hookworm	Mites (Mange)
-CATS		
	Leukemia	Ringworm
	Toxoplasmosis	Roundworm
	Rabies	Hookworm
	Distemper	Tapeworm
	FVR	Lungworm
	Feline calicivirus	Fleas
	Feline chlamydiosis	Mites
-FISH		
	Bacterial infection	Velvet disease
	Fungal infection	Anchorworm
	Popeye	Flukes
	Ich	Lice
-BIRDS		
	Alopecia	Mites
	Moult	Roundworm
	Lice	Threadworm

## **REPRODUCTION AND GENETICS**

Meiosis	In crossbreeding
Mitosis	Line crossbreeding
Heritability	Out crossing
Crossbreeding	Mendelian Genetics/Genetic Applications

## **GROOMING & BREEDS**

Categories	Length/height measurement
Uses	Traits
Unique Features	Care of specific breeds
Commonality	Grooming procedures
Markings	Tools

## **HOUSING AND MANAGEMENT**

Housing  
Environmental Needs  
First Aid

**APPENDIX B:****BREED, FAMILY, AND PARASITE IDENTIFICATION**

Directions Place the number of the sample on the line next to the correct name (4 points each)

<b>DOGS</b>		
___ 101 Australian Shepherd	___ 114 Dachshund	___ 127 Pomeranian
___ 102 Basset Hound	___ 115 Doberman Pincher ( & Miniature Pincher)	___ 128 Poodle
___ 103 Beagle	___ 116 English Springer Spaniel	___ 129 Pug
___ 104 Bichons Frises	___ 117 German Shepherd	___ 130 Rottweiler
___ 105 Boston Terrier	___ 118 German Shorthaired Pointer	___ 131 Saint Bernard
___ 106 Boxer	___ 119 Golden Retriever	___ 132 Schnauzer (Miniature)
___ 107 Brittany Spaniel	___ 120 Great Dane	___ 133 Shetland Sheepdog
___ 108 Bulldog	___ 121 Labrador Retriever	___ 134 Shih Tzu
___ 109 Cavalier King Charles Spaniel	___ 122 Lhasa Apso	___ 135 Siberian Husky
___ 110 Chihuahua	___ 123 Maltese	___ 136 Weimaraner
___ 111 Chinese Shar-Pei	___ 124 Mastiff	___ 137 Welsh Corgis (Pembroke)
___ 112 Cocker Spaniel	___ 125 Papillon	___ 138 West Highland White Terrier
___ 113 Collie	___ 126 Pekingese	___ 139 Yorkshire Terrier
<b>CATS</b>		
___ 201 Abyssinian	___ 209 Chartreux	___ 217 Rex (Cornish & Devon)
___ 202 American Shorthair	___ 210 Colorpoint Shorthair	___ 218 Russian Blue
___ 203 American Wirehair	___ 211 Havana Bnown	___ 219 Scottish Fold
___ 204 Balinese	___ 212 Maine Coon Cat	___ 220 Siamese
___ 205 Birman	___ 213 Manx	___ 221 Somali
___ 206 Bombay	___ 214 Norwegian Forest Cat	___ 222 Sphynx
___ 207 British Shorthair	___ 215 Oriental Shorthair	___ 223 Tonkinese
___ 208 Burmese	___ 216 Persian	___ 224 Turkish Angora
<b>TROPICAL FISH</b>		
___ 301 Angelfish	___ 309 Comet Goldfish	___ 317 Oscar
___ 302 Bala Shark	___ 310 Dwarf Gourami	___ 318 Platy
___ 303 Betta	___ 311 Fantail Goldfish	___ 319 Plecostomus
___ 304 Black Moor Goldfish	___ 312 Guppy	___ 320 Redtail Shark
___ 305 Black Skirt Tetra	___ 313 Harlequin Rasbora	___ 321 Swordtail
___ 306 Blue Gourami	___ 314 Jack Dempsey	___ 322 Tiger Barb
___ 307 Cardinal Tetra	___ 315 Molly	___ 323 Zebra Cichlid
___ 308 Chinese Algae Eater	___ 316 Neon Tetra	___ 3224 Zebra Danio
<b>BIRDS</b>		
___ 401 African Gray Parrot	___ 405 Canary	___ 409 Scarlet Macaw
___ 402 Amazon Parrot	___ 406 Cockatiel	___ 410 Sun Conure
___ 403 Blue and Gold Macaw	___ 407 Greater Sulfur Cockatoo	___ 411 Umbrella Cockatoo
___ 404 Budgerigar	___ 408 Peach Faced Loivebird	___ 412 Zebra Finch
<b>PARASITES</b>		
___ 501 Anchorworm	___ 506 Roundworm	___ 511 Hydatid
___ 502 Flukes	___ 507 Threadworm	___ 512 Lungworm
___ 503 Hookworm	___ 508 Whipworm	___ 513 Ringworm
___ 504 Lice	___ 509 Fleas	___ 514 Tapeworm
___ 505 Mites	___ 510 Heartworm	___ 515 Tick
<b>Rabbits</b>		
___ 601 Angora (English or French)	___ 605 Jersey Wooly	___ 609 Polish
___ 602 Californian	___ 606 Mini Lop	___ 610 Rex (Mini or Standard)
___ 603 Dutch	___ 607 Netherland Dwarf	
___ 604 English Lop	___ 608 New Zealand	

**APPENDIX C:**  
**SUGGESTED REFERENCE LIST**

**2009 Test will use the following References:**

**Small Animal Care and Management: Author Dean Warren – Published by Delmar**

**Introduction to Veterinary Science: Lawhead and Baker – Published by Delmar**

**DOGS**

*Guide to Dogs	Simon & Schuster
Genetics for Dog Breeders	Hutt
Stone Guide for Dog Grooming	Howell Book House
Where to Buy, Board, or Train a Dog	Gaines
Pet Care Reports	Ralston Purina
“A dog’s life” (pamphlets)	Alpo
(pamphlets)	IAMS, Gaines
	Bench & Field, Science Diet
The Complete Dog Book	AKC ( <a href="http://akc.org">http://akc.org</a> )
Dogs-General Information	AKC, Bench & Field,
First Aid for Your Dog	Barrons
The New Dog Handbook	Barrons
The Dog Owner’s Encyclopedia	
of Veterinary Medicine	TFH Publications
The Dog Owner’s Home Vet Handbook	Howell Book House

**CATS**

*Guide to Cats	Simon & Schuster
Pet Care Reports (pamphlets)	Ralston Purina
(pamphlets)	Cat Fancier’s Association
First Aid for your Cat	Barrons
The New Cat Handbook	Barrons
The Cat Owner’s Encyclopedia	
of Veterinary Medicine	TFH Publications
Harpers Illustrated Handbook of Cats	Harpers
The Cat Owner’s Home Vet Handbook	Howell Book House

**BIRDS**

*Guide to Birds of the World	Simon & Schuster
The New Bird Handbook	Barrons
(Books on specific families)	Barrons

**FISH**

* Guide to Freshwater and Marine	
Aquarium Fishes	Simon & Schuster
Carolina’s Freshwater Aquarium Handbook	Carolina Biological Supply
The New Aquarium Handbook	Barrons
(Books on specific families)	Barrons
A step-by-step guide to setting up an aquarium	TFH

**ANIMAL BIOLOGY**

*Agriscience, Cooper	Delmar
The Merck Veterinary Manual	Merck and Co.
College Zoology, Karl A Stiles	Macmillan
Zoology Coloring Book, Lawrence Elson	Harper & Row
Veterinary Technician in Small Animal Practice,	
Intravatrolo & Richardson	Burgess
Animal Nutrition and Feeding, Gillespie	Delmar

## **GENERAL**

### Video-

Guide to American Pedigreed Cats, Cat Fanciers Association, Inc.  
A Video Guide to Successful Cat Care, Dr. Michael Fox

### Slide/Tape-

Small Animal Care -Cats  
                                  -Dogs  
                                  -Breeds of Dogs  
Vocational Education Productions

Feeding and Care of Dogs, VAS 1062  
Pet Loss and Human Bereavement, Kay & Nieburg

Pet Shop—Entrepreneur Magazine-”How To”series - Business Guide C1007

## **MAGAZINES**

Aquarium, PO Box 487, Sierra Madre, CA 91024

Bird Talk, PO Box 57347, Boulder, CO 80322-7347

Cat Fancy, PO Box 52864, Boulder, CO 80322-2864

Dog Fancy, PO Box 53264, Boulder, CO 80322-3264

Pet-Age, H H Backer Associates, Inc 1020 S Wabash Ave, Chicago IL 60604  
Free to Groomers Kennels and Schools

## **WALL POSTERS**

“The Wonderful World of Cats”, Quaker Professional Services

Gaines Dog Chart, Gaines Dog Care Center

**APPENDIX E:**  
**ADDRESSES OF SUPPLIERS**

The Alpo Pet Center  
PO Box 2187  
Allentown, PA 18001

The American Kennel Club  
51 Madison Ave  
New York, NY 10010

Barron's Educational Series, Inc  
250 Wireless Blvd  
Hauppauge, NY 11788  
1-800-645-3476

Bench and Field  
Martin's Feed Mills, Inc  
New Paris, IN 46553  
219-831-2120

Carolina Biological Supply Company  
2700 York Rd  
Burlington, NC 27215

Cat Fanciers Association, Inc  
1805 Atlantic Ave  
P O Box 1005  
Manaskvan, NJ 08735-1005

Delmar Publishers, Inc  
2 Computer Drive  
Albany, NY 12212  
1-800-347-7707

Entrepreneur Magazine  
2392 Morse Avenue  
P O Box 19787  
Irvine, CA 92713-9787  
1-800-421-2300

Gaines Dog Care Center  
250 North Street  
White Plains, NY 10625

Howell Book House, Inc  
230 Park Ave  
New York, NY 10169  
212-702-3800  
1-800-257-5755

Hill's Science Diet  
PO Box 148  
Topeka, KS 66601  
1-800-445-5777

The IAMS Company  
7250 Poe Ave  
Dayton, OH 45414  
1-800-525-4267

Merck & Co, Inc  
PO Box 2000  
Rahway, NJ 07065  
1-201-855-4558

Quaker Professional Services  
585 Hawthorne Ct  
Galesburg, IL 61401

Ralston Purina Co  
Pet Information Center  
505 Market St  
Knoxville, TN 37902

Simon & Schuster  
1230 Avenue of the Americas  
New York, NY 10020  
1-800-223-2348

T F H Publications  
1 T F H Plaza  
Third and Union Avenues  
Neptune City, NJ 07753  
1-800-631-2188

Vocational Agriculture Service  
University of Illinois  
1401 S Maryland Dr  
Urbana, IL 61801  
217-333-3871

Vocational Education Productions  
California Polytechnic State University  
San Luis Obispo, CA 93407  
1-800-235-4146