**Alaska FFA State Convention**

**Veterinary Science CDE Outline**

**Teams will consist of 3-4 FFA members wearing official dress or Scrub Tops and dress jeans.**

**Contestants will be scored individually and on the team level, top 3 on each team will be recognized for the team score.**

# Purpose:

## The purpose of this CDE is to demonstrate student knowledge and abilities in the animal care field. This includes information and skills used in a veterinary hospital, laboratory facility or pet shop/grooming facility.

# EVENT FORMAT

 **A. Team make up**

1. The event will be a team event consisting of three or four students. The top three score count toward the team total.

 2. It is required that participants be in official FFA dress, sold color medical scrubs, OR a solid color polo (the only logos permissible on shirts are school or organizational logos).

 All team members must be dressed alike. Medical scrubs and polo shirts will only be allowed if all team members are wearing matching tops, dress jeans, and closed toe shoes. No holes in jeans. Students will be allowed to correct the dress code problem as long as the start time of the event is not effected.

# Equipment/Materials

1. Contestant must provide his/her own clipboard.

2. Contestant must bring his/her own pencil.

3. No notes, books, pictures, or other materials are permitted.

4. Contestants may use a copy of the scan sheet to record their answers for review after the contest.

6. Blank paper will be provided at the contest site.

7. Section or group leaders will not return scan sheets after a student has turned them in.

# Classes/Practicum

**A. Written Test (100 points)**

 The test will consist of 50 questions, each question worth two points. The questions will come from a file of 285 questions provided by the state of Alaska.

**B. Identification (150 points)**

 The identification portion will consist of:

 1. Five Exotic animal breeds and 20 domestic animal breeds (two points each)

 2. 25 Equipment/materials (two points each)

 3. 25 Parasites and animal body parts (two points each) a. The student will look at magnified pictures and correctly identify internal and external parasites. The student will also correctly identify internal organs from cats, dogs, swine, cattle, sheep, goats, or horses. Eternal Anatomy will also be tested on dogs, cats, and rabbits. Each identification will be worth two points. These will come from the list provided by the Alaska FFA. Animal body part may be a picture or real body part.

# Veterinary Science Skills Individual Practicum Rotation (100 points)

1. **Possible Practicum**
	1. Equipment and tool identification (list of possible provided)
	2. Anatomy/ Parts Identification (list of possible provided)
	3. Math Problems, dosage calculations, feed calculations
	4. Sexing animals
	5. Filling out medical records chart
	6. Reading an animal drug label
	7. Scheduling appointment and collecting necessary patient information
	8. Customer service, verbal or written
	9. Properly fill a syringe and administer medication (score sheet provided)
	10. Carrying a Cat
	11. Removing a dog from cage or kennel
	12. Administering Aural Medication
	13. Restraint of a Rabbit

# TOTAL TEAM SCORE

 Written Exam…………….….100 points

 Identification……………...…150 points

 Skills practicum……...….......100 points

 **TOTAL POINTS**

 **INDIVIDUAL …….….….350 points**

**TEAM…………………..1050 points**

# TIEBREAKER

 Team and Individual tiebreakers will be settled in the following order:

 1. Team with the higher score in the identification section wins.

 2. If still tied, the team with the higher score in the skills practicum Part 1 wins.

 3. If still tied, the team with the higher score on the written exam wins.

 4. If still tied, the team with the highest alternate score wins.

 Ties for individual awards shall be broken by substituting the word “individual”

 wherever the word “team” appears above.

# Judging Score Card

**Restraint of a Rabbit**

|  |  |  |
| --- | --- | --- |
|  | Points Possible | Points Earned |
| 1. The student approaches the rabbit calmly and quietly. | 5 |  |
| 2. The student scruffs the rabbit with one hand while gently lifting the front end. | 5 |  |
| 3. The students’ other hand immediately reaches under the hind limbs and holds them. (not allowing the hind limbs to dangle) | 5 |  |
| 4. The student rests the rabbits’ body on the arm with the hand holding the hind limbs. | 5 |  |
| 5. The scruffing hold is released and the hand is moved to hold the elbow of the opposite arm.  | 5 |  |
| Total Points | 25 |  |

**Removing a Dog from a Cage or Kennel**

|  |  |  |
| --- | --- | --- |
|  | Points Possible | Points Earned |
| 1. The student places a leash in one hand with a large loop open and ready to place over the dog’s head. | 5 |  |
| 2. The student opens the cage door enough to slip the hand holding the leash into the cage | 5 |  |
| 3. The student slips the leash over the neck of the dog and gently tightens the leash around the neck. | 5 |  |
| 4. The student opens the door and allows the dog to exit the cage. | 5 |  |
| 5. The student keeps the dog to their side while maintaining a slight tension on the leash. | 5 |  |
| Total Points | 25 |  |

**Carrying a Cat**

|  |  |  |
| --- | --- | --- |
|  | Points Possible | Points Earned |
| 1. The student ensures that the cat is calm and happy.
 | 5 |  |
| 2. The student places one hand on the front of the cat’s body to control the head and front limbs. | 5 |  |
| 3. The student pulls the cat close to their body for support. | 5 |  |
| Total Points | 15 |  |

**Administering Aural Medication**

|  |  |  |
| --- | --- | --- |
|  | Points Possible | Points Earned |
| 1. The student applies gloves | 5 |  |
| 2. The student cleans ears. | 5 |  |
| 3. The student successfully administers the medication into the ear canal without contamination of the applicator tip | 5 |  |
| 4. The student applies proper amount of medication into the ear as noted by the veterinarian. | 5 |  |
| 5. The student removes the dispenser from the ear | 5 |  |
| 6. The student massages the base of the outside of the ear canal causing a swishing sound from the medication moving around in the ear canal. | 5 |  |
| 7. The student wipes any solution that may have leaded onto the outside of the ear flap or hair curling around the vial securely. | 5 |  |
| Total Points | 35 |  |

**Filling a syringe & Administering Intramuscular Injection**

|  |  |  |
| --- | --- | --- |
|  | Points Possible | Points Earned |
| 1. The student determines the drug or vaccine and amount to be placed in syringe. | 2 |  |
| 2. The student selects the proper-sized syringe, needle length, and gauge to be used. | 2 |  |
| 3. The student prepared a label with the drug or vaccine name, amount to be withdrawn, date, patient’s name, and veterinary assistant’s initial. | 5 |  |
| 4. The student places the label on the distal barrel of the syringe. | 2 |  |
| 5. The student prepared a cotton ball saturated with alcohol. | 2 |  |
| 6. The student places a cotton ball on the top of the vial and wipes the rubber stopper area. | 2 |  |
| 7. The student places the vial upside down in one hand with the fingers curling around the vial securely. | 3 |  |
| 8. The student uncaps the needle and inserts the needle into the rubber stopper end of the vial. | 5 |  |
| 9. The student withdraws the proper volume. | 5 |  |
| 10. The student gently taps or snaps the edge of the syringe to remove any air bubbles, or slightly expel the air by pushing the end of the plunger. | 5 |  |
| 11. The student wipes an area of the orange with an alcohol soaked cotton ball. | 2 |  |
| 12. The student holds the orange with one hand and inserts the needle into the orange with the other, just past the peeling into the “muscle” of the orange. | 5 |  |
| 13. The student aspirates the plunger on the syringe. If no blood is noted, student slowly injects the drug or vaccine into the orange. | 5 |  |
| 14. The student removes the needle and discards it in the sharps container. | 2 |  |
| 15. The student rubs the injection site with hand. | 3 |  |
| Total Points | 50 |  |

**Verbal Customer Assistance Score Card**

Make an appointment with customer over the phone and gain pertinent information about the animal to be seen

|  |  |  |
| --- | --- | --- |
|  | Points Possible | Points Earned |
| Approach: Effective greeting and offer to help. Positive, enthusiastic; not hesitant | 5 |  |
| Personality: Pleasant, friendly manner. not pushy in gaining information  | 5 |  |
| Voice: Easy to hear and understand, proper grammar used; good speaking form | 5 |  |
| Information Requested from Customer: Fills out vital information about petEffectively ask details/preferences | 5 |  |
| Schedules appointment date and time | 5 |  |
| Gives necessary instructions | 5 |  |
| Close: Repeats appointment time,Asks if instructions understood Thank you close  | 5 |  |
| Correct information gained about pet | 5 |  |
| Overall Clarity of conversation | 5 |  |
| Total Points | 50 |  |

**Parasite/Internal Organs**

 Hookworm

Lice

Soft ticks

Flea

Mite

Tapeworm

Heartworm

Hard tick

Kidney worm in swine

Intestinal Threadworms of horse

Roundworm

Whipworm

 Fallopian tubes

Gall bladder/stones

Heart

Kidney

Liver

Lungs

Ovary

Stomach system

Trachea

Uterus

Cervix

Cecum

Testicle

**Breed & Species Identification List**

**Cattle Breeds**

 Angus

Beefmaster

Braford

Brahman

Black Brangus

Brown Swiss

Charolais

Hereford

Holstein

Jersey

Polled Hereford

Shorthorn

**Horse Breeds**

Appaloosa

Arabian

Clydesdale

Miniature

Paint

Palomino

Quarter Horse

Shetland Pony

Tennessee Walking Horse

Thoroughbred

**Dog Breeds**

Australian Cattle dog

Bassett Hound

Beagle

Border Collie

Boxer

Bulldog

Chihuahua

Chow Chow

Dachshund

Dalmatian

Doberman Pinscher

Golden Retriever

Great Dane

Labrador Retriever

Pomeranian

Poodle

Pug

Rottweiler

Shetland Sheepdog

Shih Tzu

Welsh Corgi

Yorkshire terrier

**Cat Breeds**

 American Curl

 Balinese

Birman

Burmese

Eqyptian Mau

Maine Coon

Manx

Persian

Russian Blue

Scottish Fold

Siamese

**Goat/Sheep/Swine Breeds**

Angora goat

Boer goat

Spanish goat

Barbado sheep

Columbia sheep

Dorper sheep

Dorset sheep

Hampshire sheep

Rambouillet sheep

Southdown sheep

Suffolk sheep

American landrace swine

American Yorkshire swine

Berkshire swine

Chester White swine

Cross/blue Butt

Duroc swine

Hampshire swine

Pietrain swine

Poland China swine

Vietnamese Potbelly swine

**EXOTICS**

Angora rabbit

Ball Python

Burmese Python

Californian rabbit

Chinchilla

Chinese Dwarf hamster

Columbian Red-tail Boa

Cockatiel

Cockatoo

Common Snapping Turtle

Desert horned lizard

English Lop rabbit

Ferret

Gerbil

Green Tree Frog

Guinea Pig

Hedge Hog

Honduran Milk Snake

 Iguana

Long hair Teddy Bear Hamster

New Zealand Rabbit

Parakeet

Scarlett Macaw parrot

**Equipment and Materials Identification List**

Animal Clippers

Bandaging material-roll gauze

Bandaging material- vet wrap

Brush-Body (soft bristle)

Brush Dandy (stiff bristle)

Brush- slicker

Brush-pin

Cat bag

Catch pole (dog snare)

Catheter-IV

Catheter – butterfly

Catheter-urine

Chemical indicator strips

Clipper blades

Clipper comb

Surgical drapes

Cold sterile tray

Comb- Flea

Disposable hypodermic needles

Feeding tube for small animals

Fetal Extractor

Fingertip toothbrush

IV Fluids

Microscope slides

Muzzle

Nail clippers

Pill counting tray

Radiology personal protective equipment

Scalpel blade

Scissors- Bandage

Small animal oxygen cage

Staple remover

Stethoscope

Surgical cap

Surgical gloves

Surgical gown

Surgical masks

Surgical tray

Suture materials

Suture needle

Suture wire cutting scissors

Syringe- leur lock

Syringe- slip tip

Syringe- automatic, multi-dose

Tourniquet

Weight tape

**External Anatomy List**

**Dog Anatomy & Skeletal Structure**

1. Backbone
2. Brisket
3. Cheek
4. Chest
5. Crest
6. Croup/Rump
7. Elbow
8. Femur
9. Fibula
10. Forearm
11. Hock Joint
12. Humerus
13. Jaw
14. Loin
15. Metacarpals
16. Metatarsals
17. Muzzle
18. Neck
19. Neck Bones
20. Pad
21. Pastern
22. Pelvis
23. Radius
24. Ribs
25. Scapula
26. Shoulder
27. Skull
28. Stifle
29. Tailbone
30. Thigh
31. Tibia
32. Toe Bones
33. Ulna
34. Withers

**Cat Anatomy and Skeletal Structure**

1. Back
2. Back Foot
3. Base of Tail
4. Carpals
5. Cervical Vertebrae
6. Cheek
7. Chest
8. Chin
9. Clavicle
10. Digits
11. Ear
12. Ear Leather
13. Ear Tufts
14. Elbow
15. Eye
16. Femur
17. Fibula
18. Flank Forehead
19. Front Foot
20. Hock
21. Humerus
22. Lumbar Vertebrae
23. Mandible
24. Metacarpals
25. Metatarsals
26. Midsection
27. Nose Break
28. Nose Leather
29. Patella
30. Paw Pads
31. Pelvis
32. Phalanges
33. Radius
34. Ribs
35. Rump
36. Scapula
37. Shoulder Blade
38. Shoulders
39. Skull
40. Sternum
41. Tail
42. Tarsals
43. Thigh
44. Thoracic Vertebrae
45. Tibia
46. Ulna Whisker Break
47. Whisker Pads
48. Whiskers

**Rabbit Anatomy and Skeletal Structure**

1. Belly
2. Caudal Vertebrae
3. Cheek Chest
4. Dewlap
5. Ear
6. Elbow
7. Eye
8. Femur
9. Flank
10. Foot
11. Hip Joint
12. Hock
13. Leg
14. Loin
15. Mandible
16. Maxilla
17. Metacarpus
18. Metatarsus
19. Mouth
20. Neck
21. Nose
22. Patella
23. Pelvis
24. Phalanges
25. Radius
26. Rib
27. Rump
28. Scapula
29. Shoulder
30. Skull
31. Sternum
32. Tail
33. Tarsus
34. Tibia