

VETERINARY SCIENCE

3 or 4 Member Team

I. PURPOSE

To promote career and post-secondary readiness by providing opportunities to develop knowledge and demonstrate skills in the field of veterinary science.

II. 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 OR medical scrubs (the only logos permissible on shirts are school or organizational logos). All team members must be dressed alike. Team members must all have solid color matching pants and solid color matching tops, regardless of the color combination. Students will be allowed to correct the dress code problem as long as the start time of the event is not effected.
3. Time allowed to complete the various event components is contingent on the practicums being conducted. The event provider shall exercise discretion in determining time allowed.

B. Equipment/Materials

1. Team members must provide their own compliant transparent plastic clipboard and/or clean folder with the following items: scan sheet, and/or copy of the scan sheet, optional Texas FFA CDE drop sheet, and/or 2 sheets of lined or unlined blank paper.
2. **Magnifying class and flashlights provided by the contestants are permitted.** No notes, books, pictures, or other materials are permitted.
3. **~~Contestant may bring a basic, non-programmable calculator. Non-programmable calculators may be used and must be furnished by the contestant. If the calculator has either a PROB, PGM, or TVM button or if the calculator has a large screen and the ability to graph function, it is programmable and will not be permitted. Letters above the number keys also indicate that the calculator is programmable.~~**
4. Contestants may use **the Texas FFA Official Vet Science Drop Sheet** or a copy of the scan sheet to record their answers for review after the contest.
5. Section or group leaders will not return scan sheets after a student has turned them in.

III. Classes/Practicums

A. Written Test (100 points)

The test will consist of 50 **multiple choice** questions, ~~each question worth two points each.~~ **The intellectual content questions will come from the book: "Veterinary Science, Preparatory Training for the Veterinary Assistant" by Floran C Faries, Jr. DVM, MS. Questions will be developed from chapters in the book based on the following rotation:**

2022-Chapters 2, 4, 6, 8
2023 Chapters 1, 3, 5, 7
2024 Chapters 10, 12, 14, 16
2025 Chapters 9, 11, 13, 15, 17
2026 Chapters 2, 4, 6, 8

The questions will come from the veterinary science CDE link located at www.texasffa.org — events — CDE.

B. Identification (150 750 points)

The identification portion will consist of:

1. 25 Animal breeds (~~two~~ ten points each)
2. 25 Equipment/materials (~~two~~ ten points each)
3. 25 Parasites and /microscopic/ animal body parts (~~two~~ ten-points each)
 - i. The student will correctly view and identify internal or external parasite using only fine adjustments on the microscope. The student will also correctly identify internal organs from cats, dogs, swine, cattle, sheep, goats, or horses. Each identification will be worth two points. These will come from a link found on the Texas FFA CDE website on the Veterinary Science CDE link. (texasffa.org -* events -* CDE)

C. Veterinary Science Skills Individual Practicum Rotation (100 points)

1. This practicum is designed to evaluate participant's knowledge of and ability to evaluate common laboratory, radiology and examination procedures performed in a veterinarians' clinic. Some skills may require participants to complete posology calculations. A practicum may combine more than one skill which is listed for the designated contest year. In some cases, contestants may be provided a written scenario that they must assess to determine correct solutions. Students will prepare for a possibility of five veterinary skills described in the five year rotation noted below. The providers will select at least one, but no more than two, of these skills to evaluate using a standard rubric. If only one practicum is used, it will be worth a total of 100 points. If two are used, they will be worth 50 points each, for a total of 100 points.
2. Skills practicums MUST be recited verbally as well as demonstrated physically.
3. ~~Five-Ten~~ potential practicums (clinical procedures and/or handling and restraining) will be posted from the list of rubrics available January 15. The corresponding National FFA rubric is what will be used.

D. Math Applications Exam (50 points)

1. This practicum is designed to evaluate the contestant's knowledge of math applications. Questions may include conversions, dose calculations, dilutions, cost calculations, and invoices.
2. The number of written practicum questions will be limited to five.

V. TOTAL TEAM SCORE

Written Exam	100 points
Identification	150 750 points
Skills Practicum	100 points
Math Application Exam	50 points
TOTAL INDIVIDUAL POINTS	350 1000 points
TOTAL TEAM POINTS	1050 3000 points

VI. TIEBREAKER

A. Team tiebreakers will be settled in the following order:

1. Team with the higher score in the identification section wins.
4. If still tied, the team with the higher score in the skills practicum Part 1 wins.
5. If still tied, the team with the higher score on the written exam wins.
6. If still tied, the team with the highest alternate score wins.
7. If still tied, teams will be accompanied by their advisor and will meet with contest officials who will conduct a coin toss to determine the higher placing team.

B. Individual tiebreakers will be settled in the following order:

1. Individuals with the higher score in the identification section wins.
8. If still tied, the individual with the higher score in the skills practicum Part 1 wins.
9. If still tied, the individual with the higher score on the written exam wins.
10. If still tied, individuals will be accompanied by their advisor and will meet with contest officials who will conduct a coin toss to determine the higher placing individual.

VII. REFERENCES

The Veterinary Science ID lists (Breed, Parasite, Instrument & Organ) can be found on the JudgingCard website at the following link:

www.judgingcard.com/resources/list.aspx

- **Veterinary Science, Preparatory Training for the Veterinary Assistant by Floron C. Faries, Jr. DVM, MS.**
- Veterinary Assistant handbook- First Edition Author: Floron C. Faries, Jr.
- Instructional Materials Service, Texas A&M University
- Cornell Veterinary Curriculum (Vet. Terminology, Clinical exams, Hospital Procedures, Parasitology, Laboratory Techniques, Animal Nutrition, posology, and Principles of Disease).
- Veterinary Instruments and Equipment-A Pocket Guide Author: Teresa F Sonsthagen, BS, LVT
- Elsevier Mosby ISBN-13: 978-0-323-03203-2
- Review Questions and Answers for Veterinary Technicians Author: Thomas P Colville, DVM

- Mosby ISBN-13 978-0-323-01926-2
- American Kennel Club Breed Website - www.akc.org/breeds/
- Cat Fanciers' Association Breed Website - www.cfainc.org/breeds.html
- Oklahoma State University-Animal Science Website - <http://www.ansi.okstate.edu/breeds/>

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2022-2025 Proposed Official Vet Science Drop Sheet



Exam	
1.	26.
2.	27.
3.	28.
4.	29.
5.	30.
6.	31.
7.	32.
8.	33.
9.	34.
10.	35.
11.	36.
12.	37.
13.	38.
14.	39.
15.	40.
16.	41.
17.	42.
18.	43.
19.	44.
20.	45.
21.	46.
22.	47.
23.	48.
24.	49.
25.	50.

Instrument Identification	
1.	14.
2.	15.
3.	16.
4.	17.
5.	18.
6.	19.
7.	20.
8.	21.
9.	22.
10.	23.
11.	24.
12.	25.
13.	

Parasite/Organ/Microscope Identification	
1.	14.
2.	15.
3.	16.
4.	17.
5.	18.
6.	19.
7.	20.
8.	21.
9.	22.
10.	23.
11.	24.
12.	25.
13.	

Math Practicum	
1.	
2.	
3.	
4.	
5.	

Breed/Species Identification	
1.	14.
2.	15.
3.	16.
4.	17.
5.	18.
6.	19.
7.	20.
8.	21.
9.	22.
10.	23.
11.	24.
12.	25.
13.	