

Vet Science Competencies

1. Demonstrates knowledge of safety procedures used in veterinarian science
2. Uses basic laboratory skills used in veterinarian science and knowledge of the importance of proper data collection through labs
3. Demonstrates knowledge of the anatomy and physiology of animals
4. Demonstrates knowledge of the tissue types and functions of animals through labs and written exams
5. Demonstrates knowledge of the musculoskeletal system of animals through labs and written exams
6. Demonstrates knowledge of the circulatory system of animals through labs and written exams
7. Demonstrates knowledge of the respiratory system of animals through labs and written exams
8. Demonstrates knowledge of the renal system of animals through labs and written exams
9. Demonstrates knowledge of the structures and functions of the digestive system of animals through labs and written exams
10. Demonstrates knowledge of reproductive system of animals through labs and written exams
11. Demonstrates knowledge of the central nervous system of animals through labs and written exams
12. Demonstrates knowledge of animal nutrition by balancing a large animals feed ration
13. Demonstrates knowledge of the common diseases & disorders of animals through labs and written exams
14. Demonstrates knowledge the principles of surgery on animals through labs and written exams
15. Demonstrates knowledge of pharmacology of animals through labs and written exams
16. Demonstrates knowledge of genetics and heredity of animals by completing Punnett squares showing animal selection
17. Demonstrates knowledge of the radiology of animals through written exams
18. Demonstrates understanding of professional career opportunities through presentations, job visits and written exams
19. Demonstrates knowledge of the importance of inter-personal relations and leadership through participation in agricultural career technical education events
20. Essential Employability Skills/Career Preparation Standards
 - a. Demonstrates personal skill development (positive attitude, honesty, self-confidence, time management)
 - b. Demonstrates effective interpersonal skills (group dynamics, conflict resolution, negotiations)
 - c. Demonstrates academic skills, critical thinking and problem-solving in the workplace
 - d. Demonstrates effective communication
 - e. Demonstrates occupational safety issues and observe all safety rules
 - f. Demonstrates career awareness and knowledge of pathways
 - g. Demonstrates ability to adapt to changing technology
 - h. Demonstrates ability to prepare for employment (resume, job application, job interview, portfolio development)