

**2020/2021 Student Competency Record**  
**Veterinary Science I**  
**8088 - 36 weeks, 140 hours**

<b>Student</b>	<b>School Year</b>
<b>School</b>	<b>Teacher Signature</b>

Traditional letter or numerical grades do not provide adequate documentation of student achievement in competency-based education; therefore, the Virginia Standards for CBE require a recording system to provide information about competencies achieved to employer, student-employee, and teacher. The Student Competency Record provides a means for keeping track of student progress. Ratings are assigned by the teacher for classroom competency achievement and by the teacher-coordinator in conjunction with the training sponsor when competence is evaluated on the job.

Tasks/competencies designated "Required" are considered essential statewide and are required of all students. In some courses, all tasks/competencies have been identified as required. Tasks/competencies marked "Optional" are considered optional; they and/or additional tasks/competencies may be taught at the discretion of the school division. Tasks/competencies marked with an asterisk (\*) are considered sensitive, and teachers should obtain approval by the school division before teaching them. Student competency records should be kept as long as the student is enrolled in the school and for five years after the student graduates/leaves the school.

**Note: Students with an Individualized Education Program (IEP) or an Individualized Student Alternative Education Plan (ISAEP) will be rated, using the following scale, only on the competencies identified in their IEP or ISAEP.**

Students will be expected to achieve a **satisfactory rating** (one of the three highest marks) on the Student Competency Record (SCR) rating scale on at least 80% of the required (essential) competencies in a CTE course.

**...RATING SCALE...**

- 1 - Can teach others**
- 2 - Can perform without supervision**
- 3 - Can perform with limited supervision**
- 4 - Can perform with supervision**
- 5 - Cannot perform**

<b>8088 36 weeks, 140 hours</b>	<b>Veterinary Science I TASKS/COMPETENCIES</b>		<b>Date</b>	<b>Rating</b>
	<b>Demonstrating Personal Qualities and Abilities</b>			
Required	1	Demonstrate creativity and innovation.		
Required	2	Demonstrate critical thinking and problem solving.		
Required	3	Demonstrate initiative and self-direction.		
Required	4	Demonstrate integrity.		
Required	5	Demonstrate work ethic.		
	<b>Demonstrating Interpersonal Skills</b>			
Required	6	Demonstrate conflict-resolution skills.		
Required	7	Demonstrate listening and speaking skills.		
Required	8	Demonstrate respect for diversity.		
Required	9	Demonstrate customer service skills.		
Required	10	Collaborate with team members.		
	<b>Demonstrating Professional Competencies</b>			
Required	11	Demonstrate big-picture thinking.		
Required	12	Demonstrate career- and life-management skills.		
Required	13	Demonstrate continuous learning and adaptability.		
Required	14	Manage time and resources.		
Required	15	Demonstrate information-literacy skills.		
Required	16	Demonstrate an understanding of information security.		
Required	17	Maintain working knowledge of current information-technology (IT) systems.		
Required	18	Demonstrate proficiency with technologies, tools, and machines common to a specific occupation.		
Required	19	Apply mathematical skills to job-specific tasks.		
Required	20	Demonstrate professionalism.		
Required	21	Demonstrate reading and writing skills.		
Required	22	Demonstrate workplace safety.		
	<b>Examining All Aspects of an Industry</b>			
Required	23	Examine aspects of planning within an industry/organization.		
Required	24	Examine aspects of management within an industry/organization.		
Required	25	Examine aspects of financial responsibility within an		

		industry/organization.		
Required	26	Examine technical and production skills required of workers within an industry/organization.		
Required	27	Examine principles of technology that underlie an industry/organization.		
Required	28	Examine labor issues related to an industry/organization.		
Required	29	Examine community issues related to an industry/organization.		
Required	30	Examine health, safety, and environmental issues related to an industry/organization.		
<b>Addressing Elements of Student Life</b>				
Required	31	Identify the purposes and goals of the student organization.		
Required	32	Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.		
Required	33	Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.		
Required	34	Identify Internet safety issues and procedures for complying with acceptable use standards.		
<b>Exploring Work-Based Learning</b>				
Required	35	Identify the types of work-based learning (WBL) opportunities.		
Optional	36	Reflect on lessons learned during the WBL experience.		
Required	37	Explore career opportunities related to the WBL experience.		
Optional	38	Participate in a WBL experience, when appropriate.		
<p><b>Note: Competencies 39-43 have been added to ensure compliance with federal legislation: National FFA Organization's Federal Charter Amendments Act (Public Law 116-7, <a href="https://www.congress.gov/116/plaws/publ7/PLAW-116publ7.pdf">https://www.congress.gov/116/plaws/publ7/PLAW-116publ7.pdf</a>). All inquiries may be sent to <a href="mailto:cte@doe.virginia.gov">cte@doe.virginia.gov</a>. Students are provided opportunities for leadership, personal growth, and career success. Instruction is delivered through three major components: classroom/lab instruction, supervised agricultural experience (SAE) program, and student leadership (FFA).</b></p>				
Required	39	Identify the role of supervised agricultural experiences (SAEs) in agricultural education.		
Required	40	Participate in an SAE.		
<b>Exploring Leadership Opportunities through FFA</b>				
Required	41	Identify the benefits and responsibilities of FFA membership.		

Required	42	Describe leadership characteristics and opportunities as they relate to agriculture and FFA.		
Optional	43	Apply for an FFA degree and/or an agricultural proficiency award.		
<b>Exploring Work-Based Learning</b>				
Required	44	Explore career opportunities in animal health care.		
Required	45	Investigate the different types of work-based learning opportunities.		
Required	46	Develop a plan for a work-based learning project.		
Optional	47	Conduct a work-based learning project.		
Required	48	Describe the importance of and opportunities for continuing education in the animal care field.		
<b>Demonstrating Professional Conduct</b>				
Required	49	Identify the roles and responsibilities of professionals in the veterinary industry.		
Required	50	Describe the functions of local, state, and national professional organizations in the field of animal care.		
Optional	51	Define prominent animal special interest groups.		
Required	52	Explain legal and ethical issues in the veterinary medicine field.		
Required	53	Describe the physical and mental demands and personal coping mechanisms of various animal-care professionals.		
<b>Understanding Safety and Sanitation</b>				
Required	54	Follow safety procedures for personal protection in the veterinary medical industry.		
Required	55	Follow laboratory safety procedures.		
Required	56	Identify the importance of safety data sheets (SDS).		
Required	57	Explain the role and regulations of the Occupational Safety and Health Administration (OSHA) and the Virginia Department of Labor pertaining to veterinary science.		
Required	58	Identify the physical, chemical, biological, and zoonotic hazards associated with the veterinary industry.		
Required	59	Describe chemicals, including cleansers, disinfectants, and antiseptics, commonly used in veterinary practice.		
Required	60	Explain the concept of asepsis in veterinary work.		
<b>Understanding Companion Animal Species and Breeds</b>				
Optional	61	Explain the origin of each companion animal species.		
Optional	62	Identify the colors and other characteristics of breeds within		

		each species.		
Optional	63	Identify breeding methods and rearing techniques of young species.		
Optional	64	Describe appropriate housing and maintenance of companion animals.		
Optional	65	Explain species and/or breed suitability as a companion animal.		
<b>Understanding Animal Species and Breeds</b>				
Required	66	Describe behavior patterns of companion animals.		
Required	67	Interpret companion animal behavior.		
<b>Handling Animals</b>				
Required	68	Identify unique handling considerations for species/breeds common in the veterinary field.		
Required	69	Identify equipment used for restraining animals.		
Required	70	Demonstrate respect for and safe treatment of classroom animals.		
Required	71	Demonstrate safe and humane restraint and handling methods used for veterinary procedures.		
Required	72	Describe safe and humane transport of an animal.		
Required	73	Lift and carry a dog and cat.		
Required	74	Move a nonaggressive dog and cat into and out of cage.		
Required	75	Identify techniques for handling an aggressive dog and cat.		
Required	76	Muzzle a dog and cat.		
Required	77	Restrain a dog and cat in lateral recumbency.		
Required	78	Describe the use of various types of equipment for restraining a dog and cat.		
Required	79	Describe how to move exotic species into and out of cages.		
<b>Performing Skin and Coat Care</b>				
Required	80	Check an animal for fleas.		
Optional	81	Explain tick removal and prevention.		
Optional	82	Prepare shampoos and creme rinses.		
Optional	83	Bathe an animal.		
Optional	84	Dry an animal.		
Required	85	Use grooming tools and equipment.		
Required	86	Trim an animal's nails.		
Optional	87	Brush and/or demat an animal's coat.		
Required	88	Clean an animal's ears.		

Optional	89	Clip an animal's coat with electric clippers.		
Optional	90	Perform final comb-out.		
<b>Performing Maintenance Functions</b>				
Required	91	Explain how to clean, sanitize, disinfect, and store laundry.		
Required	92	Clean and disinfect sink/tub.		
Required	93	Clean and disinfect small animal quarters.		
Optional	94	Perform partial water changes and filter changes on aquariums.		
Required	95	Sanitize animal treatment area.		
Required	96	Clean floors.		
Required	97	Change trash liner.		
Required	98	Describe the various types of disposal methods within a facility.		
Required	99	Dispose of hazardous materials.		
Required	100	Provide appropriate types of bedding.		
<b>Understanding Veterinary Medical Terminology</b>				
Required	101	Explain formation of veterinary medical terminology.		
Required	102	Identify basic veterinary medical terms and abbreviations.		
Required	103	Demonstrate use of veterinary medical terminology.		
Required	104	Describe anatomical and directional terminology.		
<b>Understanding Anatomy and Physiology</b>				
Required	105	Describe the relationship among cells, tissues, organs, and organ systems.		
Required	106	Explain the anatomy and physiology of the skeletal system.		
Required	107	Explain the anatomy and physiology of the muscular system.		
Required	108	Explain the anatomy and physiology of the respiratory system.		
Required	109	Explain the anatomy and physiology of the digestive system.		
Required	110	Explain the anatomy and physiology of the nervous system.		
Required	111	Explain the anatomy and physiology of the circulatory system.		
Required	112	Explain the anatomy and physiology of the urinary system.		
Required	113	Explain the anatomy and physiology of the reproductive system.		
Required	114	Explain the anatomy and physiology of the integumentary system.		
Optional	115	Explore additional body systems.		

<b>Understanding Animal Nutrition</b>				
Required	116	Identify the six basic nutrients and their functions in maintaining animal health.		
Optional	117	Calculate the maintenance energy requirement (MER) for an animal.		
Required	118	Determine the body condition of an animal.		
Required	119	Determine the nutritional value of animal feeds as they relate to dietary requirements of life stages.		
Optional	120	Identify marketing strategies of feed companies.		
<b>Performing Clinical Exams</b>				
Required	121	Explain the importance of routine physical exams.		
Required	122	Identify the characteristics of healthy vs. unhealthy animals.		
Required	123	Describe the method of assessing animal health.		
Required	124	Demonstrate the use of diagnostic tools.		
Required	125	Weigh and/or measure animal.		
Required	126	Measure and evaluate vital signs.		
Required	127	Evaluate mucous membranes and capillary refill time (CRT).		
<b>Handling Death and Dying</b>				
Required	128	Explain the concept of euthanasia.		
Required	129	Describe situations that may warrant euthanasia.		
Required	130	Describe aspects and accepted procedures and methods of humane euthanasia.		
Required	131	Explain how veterinary personnel can give support and assistance to a grieving client.		
Required	132	Describe accepted methods of handling animal remains.		
<b>Performing Office Functions</b>				
Required	133	Maintain veterinary records.		
Required	134	Explain the inventory process for supplies.		
Optional	135	Explain equipment maintenance.		
Required	136	Handle telephone calls and other electronic communications.		
Required	137	Schedule an appointment.		
Required	138	Explain procedures for handling monetary transactions in the veterinary business.		
<b>Locally Developed Tasks/Competencies</b>				

