



| Veterinary Science Lessons   | Knowledge and Skills  | Student Expectations   | CVA Skill or Competency (TVMA)   |
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| <b>PRINCIPLES OF HEALTH SCIENCE</b>  |   |  |  |
| Handling and Administering Medications-Clinical (7-4)  | (1) The student applies mathematics, science, English, language arts, and social studies in health science. | (B) Apply data from tables, charts, and graphs to provide solutions to health-related problems   | Describes or (demonstrates) the proper method for administration of a paste or topical drug on an equine patient, Describes (or demonstrates) the proper method for administration of a bolus, paste or topical drug for a bovine patient, Describes (or demonstrates) the proper method for administration of tablets, capsules, liquid, and topical drugs for canine and feline patients,  |
| Handling and Administering Medications-Clinical; Laboratory Aids & Examinations ; Causes of Infectious Diseases (7-4, 8, 10-1) |   | (C) Interpret technical material related to the health science industry  | Describes or (demonstrates) the proper method for administration of a paste or topical drug on an equine patient, Describes (or demonstrates) the proper method for administration of a bolus, paste or topical drug for a bovine patient, Describes (or demonstrates) the proper method for administration of tablets, capsules, liquid, and topical drugs for canine and feline patients, Can name and select the equipment items most commonly used in your veterinary practices, Demonstrates a basic understanding of the most commonly used veterinary drugs, Uses common terminology (spoken and written) required in your veterinary practices |
| Anatomy & Physiology of Animals (4-1)  |   | (H) Identify and analyze principles of body mechanics and movement such as forces and the effects of movement, torque, tension, and elasticity on the human body | Recognizes common breeds and varieties of exotic animals the visit the clinic and calls them by the correct common name  |
| Anatomy & Physiology of Animals (4-1)  |   | (J) Describes the stages of development relates to the life span   | Recognizes common breeds and varieties of exotic animals the visit the clinic and calls them by the correct common name  |
| Vital Signs (4-3)  |   | (K) Identify the concepts of health and wellness throughout the life span  | Carefully observe patients and surroundings and reports observations to the attending veterinarian, Recognizes the symptoms commonly associated with animals affects by rabies, recognizes common breeds and varieties of exotic animals that visit the clinic and calls them by the correct common name,  |

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| Office Procedures-Clinical; Client Communications Clinical; Employee Communications-Clinical (2-1, 2 2, 2-3) | (2) The student uses verbal and nonverbal communication skills. | (A) Identify components of effective and non-effective communication   | Interacts cheerfully with clients and handles complaints with a smile, Uses common terminology (spoken and written) required in your veterinary practices, Keeps assigned work areas clean and orders, Demonstrates a basic knowledge of sanitary procedures, Handles animals in a <b>safe</b> , humane manner, Can name and select the equipment items most commonly used in your veterinary practice, Demonstrates a basic understanding of the most commonly used veterinary drugs, Recognizes the symptoms most commonly associated with animals affected with rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals |
| Office Procedures-Clinical; Client Communications Clinical; Employee Communications-Clinical (2-1, 2 2, 2-3) |   | (B) Demonstrate effective communication skills for responding to the needs of individuals in a diverse society | Interacts cheerfully with clients and handles complaints with a smile, Uses common terminology (spoken and written) required in your veterinary practices, Keeps assigned work areas clean and orders, Demonstrates a basic knowledge of sanitary procedures, Handles animals in a safe, humane manner, Can name and select the equipment items most commonly used in your veterinary practice, Demonstrates a basic understanding of the most commonly used veterinary drugs, Recognizes the symptoms most commonly associated with animals affected with rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals         |
| Office Procedures-Clinical; Client Communications Clinical; Employee Communications-Clinical (2-1, 2 2, 2-3) |   | (C) Evaluate the effectiveness of conflict resolution techniques in various situations                         | Interacts cheerfully with clients and handles complaints with a smile, Uses common terminology (spoken and written) required in your veterinary practices, Keeps assigned work areas clean and orders, Demonstrates a basic knowledge of sanitary procedures, Handles animals in a safe, humane manner, Can name and select the equipment items most commonly used in your veterinary practice, Demonstrates a basic understanding of the most commonly used veterinary drugs, Recognizes the symptoms most commonly associated with animals affected with rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals         |

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| The Profession of Veterinary Medicine; The Veterinary Assistant(I-1, 1-2) | (4) The student assesses career options and the preparation necessary for employment in the health science industry.                                      | (A) Locate, evaluate, and interpret career options and employment information  |   |
| Office Procedures-Clinical(2-1)   | (5) The student identifies professional characteristics, academic preparation, and skills necessary for employment as defined by health science industry. | (A) Identify employer expectations such as punctuality, attendance, time management, communication, organizational skills, and productive work habits      | Interacts cheerfully with clients and handles complaints with a smile, Uses common terminology (spoken and written) required in your veterinary practices, Keeps assigned work areas clean and orders, Demonstrates a basic knowledge of sanitary procedures, Handles animals in a safe, humane manner, Can name and select the equipment items most commonly used in your veterinary practice, Demonstrates a basic understanding of the most commonly used veterinary drugs, Recognizes the symptoms most commonly associated with animals affected with rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals |
| The Profession of Veterinary Medicine(I-1)                                |   | (B) Identify academic requirements for professional advancement such as certification, licensure, registration, continuing education, and advanced degrees |   |
| Employee Communications-Clinical(2-3)                                     | (6) The student identifies the systems related to health science.   | (B) Identify the collaborative role of team members between systems to deliver quality health care   | Interacts cheerfully with clients and handles complaints with a smile, Uses common terminology (spoken and written) required in your veterinary practices, Keeps assigned work areas clean and orders, Demonstrates a basic knowledge of sanitary procedures, Handles animals in a safe, humane manner, Can name and select the equipment items most commonly used in your veterinary practice, Demonstrates a basic understanding of the most commonly used veterinary drugs, Recognizes the symptoms most commonly associated with animals affected with rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals |

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| Laws Related to Veterinary Medicine(IG-16) | (8) The student interprets ethical behavior standards and legal responsibilities. | (E) Research laws governing the health science industry | <p>Uses procedures that ensure personal safety when handling animals suspected of having rabies, Handles and disposes of "sharps" instruments safely and in compliance with practice standards, Handles and uses disposable "sharps" containers in a safe manner, Follows OSHA guidelines in collecting and disposing of bio-hazardous materials, Dispose of used bedding materials as needed and in a proper manner, Uses proper sanitary procedures in changing bedding materials, Follows a proscribed procedure for cleaning all stainless steel instruments, Follows correct procedure for ultra-sonic cleaning of instruments, Lubricates instruments properly during the cleaning process, Maintains all dental equipment in clean and usable condition for performing prophylaxis treatments, Ensures that all sharp and cutting blades are removed and disposed of properly following surgical procedures, Stores animal feed according to instructions, Measures food quantities accurately, Reads and follows food label directions correctly, Reads and correctly follows written instructions for animal feeding, Properly disposes of syringes, needles and other sharp objects commonly used in the veterinary clinic, Properly identifies and disposes of expired substances</p> |
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| Prevention (12-1)                         | (9) The student recognizes the rights and choices of the individual  | (B) Identify wellness strategies for the prevention of disease   | Recognizes the symptoms commonly associated with animals affected by rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Handles and disposes of "sharps" instruments safely and in compliance with practice standards, Handles and uses disposable "sharps" containers in a safe manner, Follows OSHA guidelines in collecting and disposing of bio-hazardous materials, Dispose of used bedding materials as needed and in a proper manner, Uses proper sanitary procedures in changing bedding materials, Follows a proscribed procedure for cleaning all stainless steel instruments, Follows correct procedure for ultra-sonic cleaning of instruments, Lubricates instruments properly during the cleaning process, Maintains all dental equipment in clean and usable condition for performing prophylaxis treatments, Ensures that all sharp and cutting blades are removed and disposed of properly following surgical procedures, Stores animal feed according to instructions, Measures food quantities accurately, Reads and follows food label directions correctly, Reads and correctly follows written instructions for animal feeding, Properly disposes of syringes, needles and other sharp objects commonly used in the veterinary clinic, Properly identifies and disposes of expired substances |
| Animal Management During Emergencies (17) | (10) The student recognizes the importance of maintaining a safe environment and eliminating hazardous situations. | (A) Identify governing regulatory agencies such as the World Health Organization, Centers for Disease Control, Occupations Safety and Health Administration, Food and Drug Administration, and National Institute for Occupational Safety and Health |  |
| Animal Management During Emergencies (17) |  | (B) Relate industry safety standards such as standard precautions, fire prevention, safety practices, and appropriate actions to emergency situations  |  |
| Animal Management During Emergencies (17) |  | (C) Identify safety practices in all aspects of the health science industry  |  |
| <b>MEDICAL TERMINOLOGY</b>                |  |  |  |
| Determining the Age of Animals (4-5)      | (3) The student examines available resources   | (A) Examine medical and dental dictionaries and multimedia resources   |  |
| <b>HEALTH SCIENCES</b>                    |  |  |  |

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| Handling and Administering Medications-Clinical (7-4)                       | (1) The student applies mathematics, science, English, language arts, and social studies in health science.                 | (A) Solve mathematical calculations appropriate to situations in a health-related environment                   | Demonstrates a basic understanding of the most commonly used veterinary drugs, Describes (or demonstrates) the proper method for administration of a bolus, paste or topical drug for a bovine patient, Describes (or demonstrates) the proper method for administration of tablets, capsules, liquid and topical drugs for canine and feline patients  |
| Client Communications-Clinical (2-2)  | (2) The student displays verbal and non-verbal communication skills.  | (A) Demonstrate therapeutic communication appropriate to the situation  | Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals, Interacts cheerfully with clients and handles complaints with a smile   |
| Client Communications-Clinical (2-2)  |   | (B) Execute verbal and nonverbal skills when communicating with persons with sensory loss and language barriers | Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals, interacts cheerfully with clients and handles complaints with a smile   |
| Client Communications-Clinical (2-2)  |   | (C) Apply electronic communication with appropriate supervision   | Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals, Interacts cheerfully with clients and handles complaints with a smile   |
| Client Communications-Clinical; Employee Communications-Clinical (2-2, 2-3) | (3) The student analyzes and evaluates communication skills for maintaining healthy relationships throughout the life span. | (B) Demonstrate communication skills in building and maintaining healthy relationships                          | Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals, Interacts cheerfully with clients and handles complaints with a smile   |
| Client Communications-Clinical; Employee Communications-Clinical (2-2, 2-3) |   | (C) Demonstrate strategies for communicating needs, wants, and emotions   | Interacts cheerfully with clients and handles complaints with a smile, Uses common terminology (spoken and written) required in your veterinary practices, Keeps assigned work areas clean and orders, Demonstrates a basic knowledge of sanitary procedures, Handles animals in a safe, humane manner, Can name and select the equipment items most commonly used in your veterinary practice, Demonstrates a basic understanding of the most commonly used veterinary drugs, Recognizes the symptoms most commonly associated with animals affected with rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals |

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| Client Communications-Clinical; Employee Communications-Clinical (2-2, 2-3) |   | (D) Evaluate the effectiveness of conflict resolution techniques in various situations  | Interacts cheerfully with clients and handles complaints with a smile, Uses common terminology (spoken and written) required in your veterinary practices, Keeps assigned work areas clean and orders, Demonstrates a basic knowledge of sanitary procedures, Handles animals in a safe, humane manner, Can name and select the equipment items most commonly used in your veterinary practice, Demonstrates a basic understanding of the most commonly used veterinary drugs, Recognizes the symptoms most commonly associated with animals affected with rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals   |
| Office Procedures-Clinical (2-1)  | (S) The student identifies documents integrated into the permanent record of the health informatics system. | (B) Compile and record data according to regulatory agency policy   | Posts and records money collected to the appropriate records as directed  |
| Laws Related to Veterinary Medicine (16-16)                                 | (11) The student maintains a safe environment   | (A) Conform to governmental regulations and guidelines from entities such as the World Health Organization, Centers for Disease Control, Occupational Safety and Health Administration, Food and Drug Administration, and National Institute for Occupational Safety and Health | Uses procedures that ensure personal safety when handling animals suspected of having rabies, Handles and disposes of "sharps" instruments safely and in compliance with practice standards, Handles and uses disposable "sharps" containers in a safe manner, Follows OSHA guidelines in collecting and disposing of bio-hazardous materials, Dispose of used bedding materials as needed and in a proper manner, Uses proper sanitary procedures In changing bedding materials, Follows a proscribed procedure for cleaning all stainless steel instruments, Follows correct procedure for ultra-sonic cleaning of instruments, Lubricates instruments properly during the cleaning process, Maintains all dental equipment in clean and usable condition for performing prophylaxis treatments, Ensures that all sharp and cutting blades are removed and disposed of properly following surgical procedures, Stores animal feed according to instructions, Measures food quantities accurately, Reads and follows food label directions correctly, Reads and correctly follows written instructions for animal feeding, Properly disposes of syringes, needles and other sharp objects commonly used in the veterinary clinic, Properly identifies and disposes of expired substances |
| Animal Management During Emergencies (17)                                   |   | (B) Explain protocol related to hazardous materials and situations such as material safety data sheets  |   |

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| <p>Medical waste Disposal (16-14)</p> |  | <p>(D) Practice recycling and waste management for cost containment and environmental protection</p> | <p>Uses procedures that ensure personal safety when handling animals suspected of having rabies, Handles and disposes of "sharps" instruments safely and in compliance with practice standards, Handles and uses disposable "sharps" containers in a safe manner, Follows OSHA guidelines in collecting and disposing of bio-hazardous materials, Dispose of used bedding materials as needed and in a proper manner, Uses proper sanitary procedures in changing bedding materials, Follows a proscribed procedure for cleaning all stainless steel instruments, Follows correct procedure for ultra-sonic cleaning of instruments, Lubricates instruments properly during the cleaning process, Maintains all dental equipment in clean and usable condition for performing prophylaxis treatments, Ensures that all sharp and cutting blades are removed and disposed of properly following surgical procedures, Stores animal feed according to instructions, Measures food quantities accurately, Reads and follows food label directions correctly, Reads and correctly follows written instructions for animal feeding, Properly disposes of syringes, needles and other sharp objects commonly used in the veterinary clinic, Properly identifies and disposes of expired substances</p> |
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| Prevention (12-1)                           | (12) The student assesses wellness strategies for the prevention of disease  | (A) Research wellness strategies for the prevention of disease   | Uses procedures that ensure personal safety when handling animals suspected of having rabies, Handles and disposes of "sharps" instruments safely and in compliance with practice standards, Handles and uses disposable "sharps" containers in a safe manner, Follows OSHA guidelines in collecting and disposing of bio-hazardous materials, Dispose of used bedding materials as needed and in a proper manner, Uses proper sanitary procedures in changing bedding materials, Follows a proscribed procedure for cleaning all stainless steel instruments, Follows correct procedure for ultra-sonic cleaning of instruments, Lubricates instruments properly during the cleaning process, Maintains all dental equipment in dean and usable condition for performing prophylaxis treatments, Ensures that all sharp and cutting blades are removed and disposed of properly following surgical procedures, Stores animal feed according to instructions, Measures food quantities accurately, Reads and follows food label directions correctly, Reads and correctly follows written instructions for animal feeding, Properly disposes of syringes, needles and other sharp objects commonly used in the veterinary clinic, Properly identifies and disposes of expired substances |
| <b>PRACTICUM IN HEALTH SCIENCE</b>          |  |  |  |
| Office Procedures-Clinical (2-1)            | (2) The student uses verbal and non-verbal communication skills.   | (A) Accurately describe and report information, according to facility policy, observations, and procedures   | Posts and records money collected to the appropriate records as directed   |
| Client Communications-Clinical (2-2)        |  | (B) Demonstrate therapeutic communication skills to provide quality care   | Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals   |
| Client Communications-Clinical (2-2)        |  | (C) Employ therapeutic measures to minimize communication barriers   | Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals   |
| The Profession of Veterinary Medicine (1-1) | (3) The student implements the knowledge and skills of a health science professional necessary to acquire and retain employment. | (B) Research academic requirements for professional advancement such as certification, licensure, registration, continuing education, and advanced degrees |  |

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| Employee Communications-Clinical (2-3)       | (S) The student analyzes the role of a health science team member.          | (A) Participate in team teaching and conflict management such as peer mediation, problem solving, and negotiation skills | Interacts cheerfully with clients and handles complaints with a smile, Uses common terminology (spoken and written) required in your veterinary practices, Keeps assigned work areas clean and orders, Demonstrates a basic knowledge of sanitary procedures, Handles animals in a safe, humane manner, Can name and select the equipment items most commonly used in your veterinary practice, Demonstrates a basic understanding of the most commonly used veterinary drugs, Recognizes the symptoms most commonly associated with animals affected with rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Demonstrates appropriate understanding and respect for the human-animal bond in dealing with clients and their animals |
| Handling & Restraining Animals (6)           | (6) The student employs a safe environment to prevent hazardous situations. | (A) Integrate regulatory standards such as standard precautions and safe patient handling                                | Handles animals in a safe humane manner, Uses the proper procedure for lifting and positioning animals, Uses the proper procedure for placing animals in a cage, Uses proper method for placing large animals in a stall, Uses (or can describe) the proper method of haltering a large animal, Practices (or can describe) the proper personal safety precautions when releasing a large animal, Properly restrains animals when assisting the veterinarian with cephalic and saphenous venous sampling, Properly muzzles fractious animals, Handles and holds animals so as to generally avoid bites to themselves and to the attending veterinarian, Handles animals in the examination room or are so as to prevent harm to the patient or humans,                                  |
| Animal Management During Emergencies (17)    |   | (B) Respond to emergencies consistent with the student's level of training such as fire and disaster drills              |   |
| Handling and Administering Medications (7-4) |   | (C) Evaluate hazardous materials according to the materials according to the material safety data sheets                 | Demonstrates a basic understanding of the most commonly used veterinary drugs, Describes (or demonstrates) the proper method for administration of a bolus, paste or topical drug for a bovine patient, Describes (or demonstrates) the proper method for administration of tablets, capsules, liquid and topical drugs for canine and feline patients  |

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| The Battle Against Disease (9-2)                |  | (D) Apply principles of infection control and body mechanics in all aspects of the health science industry                                     | Uses procedures that ensure personal safety when handling animals suspected of having rabies, Handles and disposes of "sharps" instruments safely and in compliance with practice standards, Handles and uses disposable "sharps" containers in a safe manner, Follows OSHA guidelines in collecting and disposing of bio-hazardous materials, Dispose of used bedding materials as needed and in a proper manner, Uses proper sanitary procedures in changing bedding materials, Follows a proscribed procedure for cleaning all stainless steel instruments, Follows correct procedure for ultra-sonic cleaning of instruments, Lubricates instruments properly during the cleaning process, Maintains all dental equipment in clean and usable condition for performing prophylaxis treatments, Ensures that all sharp and cutting blades are removed and disposed of properly following surgical procedures, Stores animal feed according to instructions, Measures food quantities accurately, Reads and follows food label directions correctly, Reads and correctly follows written instructions for animal feeding, Properly disposes of syringes, needles and other sharp objects commonly used in the veterinary clinic, Properly identifies and disposes of expired substances |
| Assisting with Surgery (14)                     | (8) The student implements skills in monitoring individual health status during therapeutic or                         | (A) Describe pre-procedural preparations   | See CVA High School Level 1 Skills Validation Checklist   |
| Reading Animal Behavior; Vital Signs (4-2, 4-3) |  | (C) Identify care indicators of health status  | Carefully observe patients and surroundings and reports observations to the attending veterinarian, Recognizes the symptoms commonly associated with animals affects by rabies, Recognizes common breeds and varieties of exotic animals that visit the clinic and calls them by the correct common name  |
| <b>ANATOMY AND PHYSIOLOGY</b>                   |  |  |   |
| Anatomy and Physiology of Animals (4-1)         | (4) The student evaluates the energy needs of the human body and the processes through which these needs are fulfilled | (B) Evaluates the means, including the structure and function of the digestive system, by which energy is processed and stored within the body |   |
| Nutritional Diseases (11-1)                     |  | (C) Analyze the effects of energy deficiencies in malabsorption disorders such as diabetes hypothyroidism, and Crohn's disease                 |   |

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| Anatomy and Physiology of Animals (4-1)   | (5) The student differentiates the responses of the human body to internal and external forces. |   |  |
| Anatomy & Physiology of Animals (4-1)   | (8) The student explores the body transport systems.  | (A) Analyze the physical, chemical, and biological properties of transport systems, including circulatory, respiratory, and excretory   |  |
| Anatomy & Physiology of Animals (4-1)   |   | (C) Contrast the interactions among the transport system  |  |
| Anatomy & Physiology of Animals (4-1)   | (10) The student investigates structure and function of the human body                          | (A) Analyze the relationships between the anatomical structures and physiological functions of systems, including the integumentary, nervous, skeletal, musculoskeletal, cardiovascular, respiratory, gastrointestinal, endocrine, and reproductive |  |
| Genetics & Disease; The Battle Against Disease; Diseases Common to Humans & Animals (9-1, 9-2, 9-3) |   | (B) Evaluate the cause and effect of disease, trauma, and congenital defects of the structure and function of cells, tissues, organs and systems  |  |
| Determining the Age of Animals (4-5)  |   | (D) Examine characteristics of the aging process on body systems  |  |
| Anatomy & Physiology of Animals (4-1)   | (11) The student describes the process of reproduction and growth and development.              | (B) Identify the functions of the male and female reproductive systems  |  |
| <b>MEDICAL MICROBIOLOGY</b>   |   |   |  |
| Genetics & Disease; The Battle Against Disease; Infectious Disease(9-1 , 9-2, 10)                   | (5) The student examines the role of pathogens in infectious diseases.                          | (C) Categorize diseases caused by bacteria, fungi, viruses, protozoa, rickettsias, arthropods, and helminths  |  |
| <b>PATHOPHYSIOLOGY</b>  |   |   |  |

and body mechanics in all aspects of the health science industry

Uses procedures that ensure personal safety when handling animals suspected of having rabies, Handles and disposes of "sharps" instruments safely and in compliance with practice standards, Handles and uses disposable "sharps" containers in a safe manner, Follows OSHA guidelines in collecting and disposing of bio-hazardous materials, Dispose of used bedding materials as needed and in a proper manner, Uses proper sanitary procedures in changing bedding materials, Follows a proscribed procedure for cleaning all stainless steel instruments, Follows correct procedure for ultra-sonic cleaning of instruments, Lubricates instruments properly during the cleaning process, Maintains all dental equipment in clean and usable condition for performing prophylaxis treatments, Ensures that all sharp and cutting blades are removed and disposed of properly following surgical procedures, Stores animal feed according to instructions, Measures food quantities accurately, Reads and follows food label directions correctly, Reads and correctly follows written instructions for animal feeding, Properly disposes of syringes, needles and other sharp objects commonly used in the veterinary clinic, Properly identifies and disposes of expired substances

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| Assisting With Surgery (14)                    | (8) The student implements skills in monitoring individual health status during therapeutic or diagnostic procedures.  | (A) Describe pre-procedural preparations   | CVA High School Level Skill Validation Checklist   |
| ***** Animal Behavior; Veterinary Sign, (4-24) |  | (C) Identify care indicators of health status  | Carefully observe patients and surroundings and reports observations to the attending veterinarian, Recognizes the symptoms commonly associated with animals affected by rabies, Recognizes common breeds and varieties of exotic animals that visit the clinic and calls them by the correct common name. |
| <b>ANATOMY AND PHYSIOLOGY</b>                  |  |  |  |
| Anatomy & Physiology of Animals (4-1)          | (4) The student evaluates the energy needs of the human body and the processes through which these needs are fulfilled | (B) Evaluate the <u>means, including the</u> structure and function of the digestive system, by which energy is processed and stored within the body |  |
| Nutritional Diseases (11-1)                    |  | (C) Analyze the effects of energy deficiencies in malabsorption disorders such as diabetes hypothyroidism, and Crohn's disease                       |  |
| Anatomy & Physiology of Animals (4-1)          | (5) The student differentiates the responses of the human body to internal and external forces.                        | (A) Explain the coordination of muscles, bones, and joints that allow movement of the body   |  |



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| <p>Genetics &amp; Disease; The Battle Against Disease; Diseases Common to Humans &amp; Animals; Food &amp; Animal Diseases; Infectious Diseases; Non-Infectious Diseases (9-1, 9-2, 9-3, 9-4, 10, 11)</p> | <p>(4) The student analyzes the mechanisms of pathology.</p> | <p>(C) Identify factors that contribute to disease such as age, gender, environment, lifestyle, and heredity</p> | <p>Recognizes the symptoms commonly associated with animals affected by rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Handles and disposes of "sharps" instruments safely and in compliance with practice standards, Handles and uses disposable "sharps" containers in a safe manner, Follows OSHA guidelines in collecting and disposing of bio-hazardous materials, Dispose of used bedding materials as needed and in a proper manner, Uses proper sanitary procedures in changing bedding materials, Follows a proscribed procedure for cleaning all stainless steel instruments, Follows correct procedure for ultra-sonic cleaning of instruments, Lubricates instruments properly during the cleaning process, Maintains all dental equipment in clean and usable condition for performing prophylaxis treatments, Ensures that all sharp and cutting blades are removed and disposed of properly following surgical procedures, Stores animal feed according to instructions, Measures food quantities accurately, Reads and follows food label directions correctly, Reads and correctly follows written instructions for animal feeding, Properly disposes of syringes, needles and other sharp objects commonly used in the veterinary clinic, Properly identifies and disposes of expired substances</p> |
| <p>Infectious Diseases (10)</p>   | <p>(6) The student examines a variety of human diseases.</p> | <p>(FI) Investigate ways diseases affect multiple body systems</p>   |   |
| <p><b>WORLD HEALTH RESEARCH</b></p>   |  |  |   |

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| Prevention; Treatment (12-1, 12-2) | (3) The student describes the engineering technologies developed to address clinical needs. | (A) Describe technologies that support the prevention and treatment of infectious diseases | <p>Recognizes the symptoms commonly associated with animals affected by rabies, Uses procedures that ensure personal safety when handling animals suspected of having rabies, Handles and disposes of "sharps" instruments safely and in compliance with practice standards, Handles and uses disposable "sharps" containers in a safe manner, Follows OSHA guidelines in collecting and disposing of bio-hazardous materials, Dispose of used bedding materials as needed and in a proper manner, Uses proper sanitary procedures in changing bedding materials, Follows a proscribed procedure for cleaning all stainless steel instruments, Follows correct procedure for ultra-sonic cleaning of instruments, Lubricates instruments properly during the cleaning process, Maintains all dental equipment in clean and usable condition for performing prophylaxis treatments, Ensures that all sharp and cutting blades are removed and disposed of properly following surgical procedures, Stores animal feed according to instructions, Measures food quantities accurately, Reads and follows food label directions correctly, Reads and correctly follows written instructions for animal feeding, Properly disposes of syringes, needles and other sharp objects commonly used in the veterinary clinic, Properly identifies and disposes of expired substances</p> |
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