Animal Careers
NYS
(NYS Only)

**Purpose**
To evaluate each contestant’s preparation for employment and to recognize outstanding student’s excellence and professionalism in the field of animal care.

**Clothing Requirement**
Contest Specific – Animal Careers
- Scrub top with scrub pants or scrub top with black pants
- Work sneakers or work shoes, that are enclosed - no open toe or open heel
- You are required to have a long sleeve shirt, or a sweatshirt on site. NO LAB COATS
- Hair must be contained.
- No jewelry
- Short clean nails
- Watch with a second hand.

*Note: Contestants must wear their contest clothing to the contest orientation meeting. Also bring #2 pencil, resume, and safety assurance form.*

**Eligibility**
Open to active Skills USA members enrolled in CTE program on the secondary level with animal science or care.

**Equipment and Materials**
1. Supplied by the chairperson:
   a. All animals
   b. All equipment, materials, and items needed to conduct the contest.
2. Supplied by the contestant:
   a. Pen/Pencil
   b. All contestants must bring the safety assurance form (not the NCLS form) and turn it in the same time with the resume.
   c. All competitors must create a one-page résumé and submit a hard copy at orientation. Failure to do so will result in a 10-point penalty.
   d. “Note: Your resume may be judged as part of your contest” Check the Contest Guidelines and/or the updates page on the NYS SkillsUSA Web site: [http://www.nysskillsusa.org](http://www.nysskillsusa.org)

**Scope of the Contest**
The scope of the contest is defined by industry standards.

**Knowledge Performance**
The contest will include a written knowledge test assessing general knowledge of basic animal care skills. Topics assessed may include but are not limited to: life sciences related to animal health care, communication skills, employability, law and ethics, and work safety practices.

**Skill Performance**
The second portion of the contest will be a series of workstations in which contestants will demonstrate their knowledge of animal breeds, body language, health care skills. Topics that will be assessed may include but are not limited to: clinical skills, emergency cares, communication skills, key medical terms and abbreviations, law and ethics, and work safety.

**Topics:**
- Medical terminology and abbreviations
- Medical Records
- Scheduling and Appointments
- Office Management
- Communications and Client Relations
- Ethics and Legal Issues
- Dog Breed ID
- Dog Care
- Cat Breed ID
- Cat Care
- Pocket Pet Health
- Pocket Pet Care
- Rabbit ID
- Rabbit Care
- Beef and Dairy Cattle ID
Beef and Dairy Cattle Care
Equine (Light Horse/Draft) Breed ID
Equine (Light Horse/Draft) Care
Swine ID
Swine Care
Sheep and Goat ID
Sheep and Goat Care
Poultry ID
Poultry Care
General Anatomy – Small and Large Animal
Animal Nutrition– Small and Large Animal
Restraints and Handling – Small and Large Animal
Safety– Small and Large Animal
Sanitation
Physical Exam Procedures– Small and Large Animal
Grooming– Small and Large Animal
Education and Careers in Animal Care

References:  Cengage Books

Restrainment and Handling for Veterinary Technicians and Assistants: Bonnie Ballard/Jody Rockett

Veterinary Assisting Fundamentals & Applications; Beth Vanhorn/Robert W. Clark

Equine Science Fifth Edition; Rick Parker
ISBN: 978-305-94972-0

Small Animal Care Management Fourth Edition; Dean M. Warren
ISBN: 978-1285-42552-8
NYS SkillsUSA

Animal Careers Contest

APRIL 22-24, 2020

Study Guide

Chairperson

TBA

Cluster Manager

Gloria Cahalan
Here is a complete list of all equipment and materials you may be asked to identify:

- Ambubag
- Anesthetic Machines 1 & 2
- Animal Clippers
- Autoclave
- Autoclave Tape Indicator
- Backhaus Towel Clamps
- Balling Gun
- Bandaging Material - Elastic
- Bandaging Material – Roll
- Gauze
- Bandaging Material– Vet Wrap
- Bands (Castration Or Docking)
- Basket Muzzle
- Betadine
- Brush - Body (Soft Bristle)
- Brush - Dandy (Stiff Bristle)
- Brush - Pin
- Brush - Slicker
- Bulb Syringe
- Carmalt
- Cat Bag
- Catch pole (dog snare)
- Catheter - Butterfly
- Catheter - IV
- Catheter - Urine
- Centrifuge
- Chain Twitch
- Chemical Indicator Strips
- Clipper Blades
- Clipper Comb
- Cold Sterile Tray
- Comb - Curry
- Comb - Flea
- Comb - Scotch
- Cover Slips
- Dehorner - Barnes
- Dehorner - Electric
- Dehorner - Scoop Or Tube
- Dental Floats
- Dental Retractor
- Dental Scaler
- Disposable Hypodermic Needles
- Drench Gun
- Ear Notcher
- Ear Tag Pliers
- Ear Tags
- Elastrator
- Elizabethian Collar
- Emasculators
- Endotracheal Tubes
- Fecal Loop
- Fecalizers
- Feeding Tube For Small Animals
- Fetal Extractor
- Fingertip Toothbrush
- Forceps - Alligator
- Forceps - Allis Tissue
- Forceps - Brown-Adson Thumb
- Forceps - Crile
- Forceps - Halstead Mosquito Hemostatic
- Forceps - Kelly
- Forceps - Rat Tooth Thumb
- Forceps- Adson Tissue
- Forceps- Babcock Tissue
- Gag Mouth Speculum (Large)
- Gag Mouth Speculum (Small)
- Gavage Needle
- Gravity Feeder / J Tube
- Halter
- Head Chute
- Hog Snare
- Hoof Knife
- Hoof Nippers
- Hoof Pick
- Hoof Rasp
- Hoof Trimmers
- Humane Twitch
- Hydraulic Chute
- Identification Tag Applicator
- IV Administration
- IV Fluids
- Laryngoscopes
- Lead Rope
- Lead Shank
- Leur Lock Syringe
- Microscope
- Microscope Slides
- Muzzle - Commercial
- Nail Clippers - Guillotine
- Nail Clippers - Plier
- Needle Holder - Mayor-Hegar
- Needle Holder - Olsen-Hegar
- Obstetrical Chain and Handle
- Ophthalmoscope
- Otoscope
- Paste Gun
- Pig Tooth Nippers
- Pill Counting Tray
- Radiology Personal Protective Equipment
- Rumen Magnet
- Scalpel Blade
- Scalpel Handle
- Scissors - Bandage
- Scissors - Littauer Suture Removal
- Scissors - Mayo Dissecting
- Scissors - Metzenbaum Dissecting
- Scissors- Lister bandage
- Shedding Blade
- Silver nitrate sticks
- Small Animal Oxygen Cage
- Snook Ovariectomy
- Squeeze Chute
- Staple Remover
- Steel Lift Table
- Stethoscope
- Surgical Cap
- Surgical Drapes
- Surgical Gloves
- Surgical Gown
- Surgical Masks
- Surgical Tray
- Suture Materials
- Suture Needle
- Suture Wire Cutting Scissors
- Syringe - Automatic, Multi-Dose
- Syringe - Leur Lock
- Syringe - Slip Tip
- Tattooing Instruments - Small & Large
- Tourniquet
- Trocar & Cannula
- Weight Tape
Examples of contest skills that could be demonstrated.

- Identify animal breeds from photographs. Spelling Counts!
- Animal Body Language (dominance, aggression, fear, arousal, etc.)
- Demonstrate & record temperature, pulse and/or respiration of a large or small animal.
- Identify apical and femoral pulse sites.
- Identify common blood withdrawal sites.
- Patient history & Physical exam.
- Practical mathematical applications commonly encountered in the veterinary workplace. (weights, conversions, mixing concentrated solutions etc.)
- Identify directional terminology and body planes.
- Identify surgical instruments.
- Prepare and/or package equipment and/or supplies for sterilization. (Reference McCurnin)
- Gown folding (Reference McCurnin)
- Aseptic technique (common antiseptic and disinfectant agents)
- Sterilization Methods
- Identify diagnostic equipment used in Radiology, Dentistry, Surgical Nursing, Anesthesiology, Pathology and Parasitology.
- Apply principles of disinfection.
- Wound Management and Bandaging.
- Scientific Classification of various animal species.
- Identify external parasites and internal parasites. (Using scientific terminology)
- Perform a fecal Analysis.
- Principles of nutrition- basic needs, unique characteristics of individual species diet.
- Care of Birds, large and small Animals
- Identify the sex of various animal species.
- Identify common bedding materials.
- Proper restraint and handling techniques of various animal species.
- Identify External anatomy parts of small and large animals
- Identify Systems of the body and their function
- Diseases of domestic animals.
- Preventive health plans, vaccinations and abbreviations.
- Proper hand washing skills.
- Veterinary terminology and abbreviations.
- Pharmacology (Routes of Administration, dosage calculations & drug classifications)
- Identify grooming equipment.
- Identify parts of microscope
- Customer Service procedures
- How to tie knots
- Proper Method for Preparing a Label for a Syringe
- Proper Method for Filling a Syringe
- Removal of Sutures
- Bandage Removal
- Bandage Application
- Pill Counting Tray Procedure
- Administration of Topical Medication
- Administration of Subcutaneous Injection
- Administering Ophthalmic Medication
- Intramuscular Injection
- Administration of Aural Medication
- Catching and Haltering a Horse
- Tail Tying Your Horse
- Applying a Commercial Muzzle
- Restraint for Venipuncture
- Restraint in Lateral Recumbency
- Removing a Dog from a Cage or Kennel
- Restraint for Jugular Venipuncture
- Restraint for Cephalic Venipuncture
- Applying a Gauze Muzzle
- Grooming small and large animal