



Tennessee Specific Industry Certification Animal Science Content Area Resource

This Tennessee Specific Industry Certification (TSIC) resource provides additional guidance as you prepare your veterinary and animal science instructional materials. The general knowledge and skills are provided as a guide for developing lessons and lab activities that lead to deeper understanding of content. The list of sample terms are just that, a list of sample terms that will be helpful to build each student's knowledge base for this content area.

General knowledge and skills for Animal Veterinary Nursing

- Use of animal nursing and veterinary terminology.
- Alternative methods of feeding sick animals.
- Convert medicine, mineral, and supplement dosage into different units of measurement.
- Procedure to feed companion and feed animals via the gastrointestinal (GI) tract.
- Restraining methods and procedures for companion and food animals.
- *Principles and procedures for using fed additives and attractors (color, taste, and smell).*
- Explain and demonstrate the different methods to administer medicines to companion and feed animals.
- Procedure to handle milk from a sick or medicated dairy cow or goat.
- Explain the signs, symptoms, and treatment of mastitis.
- Describe safe and appropriate handling and restraint techniques including behavior modifications with companion and food animals.
- Describe the most common types of needles used in the animal nursing industry including those with multiple functional uses.
- Explain the use and maintenance of various instruments, equipment, and supplies utilized in the diagnosis and treatment of small animals.
- Explain the importance of using different nursing and care practices during different developmental stages of animals.
- Identify common nursing practices used with different domesticated

Sample terms associated with content area

- Absorb
- Addition of table scraps
- Allelomemetic
- Allergic
- Animal behavior techniques
- Animal nursing
- Anthelmintic
- Antibiotics
- Arginine
- Autoclave
- Autoclave cycle
- Behavior modifications
- Bird attractants
- Body weight
- Boer goat
- Branding iron
- Bridle
- Calories
- Cannibalism
- Care giving
- Care soliciting
- Colored feed
- Conversions
- Crile



Tennessee Specific Industry Certification Resource Topics and Terms

- Deficient amino acids
- Diarrhea
- Dose equivalents
- Ear notcher
- Enteral feeding
- Fat
- Feeding intervals
- Fiber
- Forceps
- Gastrointestinal (GI) tract
- Gilts
- Glycogen
- Halter
- Handling techniques
- Head catch
- Head gate
- Hegar olsen
- Hemostat
- Hot stick
- Incision
- Instrument pack
- Intercostal
- Intravenous
- Intravenous supplementation
- Intravenously
- Isolation
- Lactose
- Lean body mass
- Loading ramp
- Lysine
- Methionine
- Needle
- Needle driver
- Needle holder
- Nose lead nose twitch
- Ochsner
- Open herd
- Ovariohysterectomy
- Palpation
- Pelleted foods
- Perineal
- Pour-on topical medication
- Quarantine
- Restraining
- Species
- Spray
- Squeeze chute,
- Steam autoclave
- Sterilization
- Stocks
- Stress
- Restraint techniques
- Rochester carmalt
- Rochester pean
- Self-controlled
- Prescrotal
- Small intestine
- Subcutaneously
- Supplements
- Sutures
- Taurine
- Teat
- Toxic reaction
- Udder
- Udder quarter
- Umbilicus
- Vaccine
- Water