



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 Safety

- Describe basic animal behavior as it pertains to safe animal handling for the major livestock species and companion animals.
- Discuss the major sources of food borne illness and the impact of food borne illness on public health.
- Describe proper animal restraint techniques and equipment functions to ensure safety for both animal and handler.
- Identify common human and animal hazards in typical livestock facilities and veterinary clinics.
- Explain the main components of a quality livestock assurance program as it pertains to safety.
- Describe basic state and federal regulations for animal and consumer food safety.

Sample terms associated with content area

- Acidification
- Anesthesia
- Antibiotic
- Balk
- Bawling, Barking
- Beef Quality Assurance (BQA)
- Bridle
- Castrated male
- Chicken breast
- Collecting boar semen samples
- Dehorning cattle
- Ear notcher
- Ear notching pigs
- Electric prod
- Escherichia coli O157:H7
- Food and Drug Administration (FDA)
- Fight, Flight
- Food borne illness
- Foot Rot
- Halter
- Hamburger
- Head catch and squeeze chute
- Hobbles
- Homogenization
- Kneeling, Lying
- Legs
- Listeria monocytogenes
- Loading chute
- Neck
- Nose Ring
- Oral sedative
- Pasteurization
- Pathogen
- Pork chop
- Raw milk
- Rib-eye steak
- Salmonella enterica
- Sexually intact female
- Sexually intact male
- Snare



Tennessee Specific Industry Certification Resource Topics and Terms

- Squeeze Chute
- Staphylococcus aureus
- Switch
- Tail feathers
- Tennessee Department of Agriculture (TDA)
- Tennessee Department of Environment and Conservation (TDEC)
- Trimming hooves on horses
- Twitch
- United States Department of Agriculture (USDA)
- Walking, Standing
- Wings
- Wire cage
- Young, sexually immature female