



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 Business

- Explain the components of a financially sound business
- Describe the process to determine profit and loss of a specific segment of a small animal or livestock enterprises.
- Determine the profit or loss of a livestock or small animal enterprise.
- Outline the key components of a financially sound business.
- Determine based on current prices, if growing or purchasing livestock feed is more economical.
- Determine the fixed and variable cost in an enterprise.
- Explain the impact of the disease has on the value of domestic and international companion and food animal markets.
- Apprise the economic impact that social media can have on animal agriculture.
- Explain the impacts of import and export bans.
- Synthesize case studies to predict the best options to add value or profit to an enterprise.

Sample terms associated with content area

- Acre
- Appraise
- Available fund
- Backgrounding operation
- Balance sheet
- Ban
- Bushels
- Buyer
- Capital assets
- Competitive market
- Consumer demand
- Contract
- Cost plus marketing
- Cow/calf operation
- Crossbred cattle
- Current assets
- Current liabilities
- Debt
- Decrease competition
- Depreciation schedule
- Drought
- Earnings statement
- Exports
- Feed expense
- Fixed asset
- Freezer beef
- Futures contract
- Grass-fed beef
- Hedge
- Imports
- Insurance
- Inventory
- Inventory Counts
- Land taxes



Tennessee Specific Industry Certification Resource Topics and Terms

- Livestock handling system
- Livestock insurance
- Livestock markets.
- Long-term assets
- Long-term liabilities
- Losses
- Margin concepts
- Marginal cost
- Marginal revenue
- Market volatility
- Maximize profit
- Negative cash flow
- Negligible impact
- Net Cash
- Operating cost
- Operation's working capital
- Per Pound
- Pricing markup
- Principle prepayment
- Profit
- Profitability
- Reduce risks
- Rented pasture land
- Repayment
- Return on investment
- Salmonella
- Scenarios
- Seller
- Slaughterhouse
- Social media
- Statement of cash reserves
- Utilities
- Value-added
- Variable cost
- Variable markets.
- Video auction
- Working capital