

# Agriculture, Food and Natural Resources: Animal Science and Services 5: Grades 9-12

Discuss animal marketing techniques. The student will be able to: 31.0

- 1 Collect and interpret market reports and identify market outlets for companion and food-producing animals. 31.1
- 2 Determine market grades of animal and animal products. 31.2
- 3 Examine the impacts of industry promotion campaigns. 31.3

Apply advanced animal health practices. The student will be able to: 32.0

- 1 Administer prescribed injections (under supervision). 32.1
- 2 Discuss proper disposal of deceased animals. 32.2
- 3 Determine when euthanasia is appropriate. 32.3
- 4 Discuss AVMA approved methods of euthanasia. 32.4
- 5 Discuss BMPs (Best Management Practices) associated with castration, dehorning, docking, debeaking, and/or another component of livestock management. 32.5

Maintain and analyze records. The student will be able to: 33.0

- 1 Maintain and analyze animal records. 33.1
- 2 Maintain and analyze basic business records (inventory, depreciation, receipts, and expenses) using computer applications. 33.2
- 3 Prepare and maintain Supervised Agricultural Experience (SAE) records. 33.3

Perform emergency first aid on animals. The student will be able to: 34.0

- 1 Evaluate the health status of the animals. 34.1
- 2 Isolate injured animals. 34.2
- 3 Demonstrate how to properly cleanse wounds and apply antiseptic. 34.3
- 4 Immobilize fractured limbs. 34.4
- 5 Identify and stop external bleeding. 34.5
- 6 Know when to seek additional medical attention for animals. 34.6

**Implement procedures to ensure that animal products are safe. The student will be able to:** 35.0

- 1 Research and summarize animal production practices that may pose health risks.** 35.1
- 2 Analyze consumer concerns with animal production practices relative to human health.** 35.2
- 3 Research and evaluate programs to assure the safety of animal products for consumption.** 35.3
- 4 Identify and describe animal tracking systems used in animal systems (e.g., livestock, companion animal, exotics, etc.).** 35.4
- 5 Analyze and summarize the impact of animal trace-back capabilities on producers and consumers.** 35.5
- 6 Evaluate the effectiveness of animal and/or premise identification programs for a given species.** 35.6

**Identify, select, and breed food-producing animals. The student will be able to:** 36.0

- 1 Appraise animal conformation and desirable characteristics and breeds.** 36.1
- 2 Justify reasons for culling offspring.** 36.2
- 3 Identify signs of parturition.** 36.3
- 4 Identify common disorders of parturition.** 36.4
- 5 Prepare animals and facilities for parturition.** 36.5
- 6 Assist in the delivery of newborn animals.** 36.6

**Analyze county, state and federal agencies that support the animal industry. The student will be able to:** 37.0

- 1 Identify agencies that support the animal industry.** 37.1
- 2 Research technical assistance, disaster relief, grants, and other available programs.** 37.2
- 3 Inquire about career opportunities within these agencies.** 37.3