

Title: Ultrasound of Beef Animal for Fat
Curriculum Area: Animal Science
Teacher:
School:
Grade Level: 9-12
Career Cluster: Agriscience
Lesson Objective(s): Ultrasound of Beef Animal A. How to set up & read an ultrasound for fat in beef animals B. How to prepare animal for ultrasound C. Perform ultrasound D. How to weigh & enter data for ultrasound
Performance Task (Include Teacher & Student Instructions): A. Learn importance of ultrasound for fat in beef animals B. How use of ultrasound can affect selling price of animals C. Set up ultrasound equipment & enter proper data on animals D. Prepare live animal for ultrasound E. Read ultrasound on the animal F. Weigh animal and enter data G. Enter proper information on animal
Evaluation & Scoring: A. Have students take ultrasound information from other animals and compare with tested animal. B. Figure how fat rate will affect price of animal. C. Take information & weight of animal to figure selling price.
Extension/Modification and/or Instructional Methodology: A. Have some information on animal pre-marked to save time. B. Have students figure total selling price on different animals with the same fat ratio.

SCAN Skills:

Thinking Skills
Reading (Basic)
Problem Solving
Resources - Money

Interpersonal Skills
Information Skills
Decision Making Skills

Exit Level TAKS Objectives:

Reading objectives - 1, 2, 3
Writing objectives - 1, 2, 3
Math objectives - 1, 3, 4, 6, 8, 9, 10

TEKS Competencies:

(C) (1) (B)
(C) (2) (B)
(C) (6) (C)
(C) (6) (D)
(C) (7) (B)

Team Project, Guest Speaker, or Field Trip:

Guest Speaker: Alford Echols

He will explain the ultrasound and the materials needed the day before the actual ultrasound

Field Trip: Alford Echols' Ranch to watch actual ultrasound

Resources:

- A. Animal Science 332 material
- B. Modern Livestock Production