4-H Animal Science
Non-Ownership Livestock Project
Unit II

Name _________________________________  Age ________  Club Year ________

Address ______________________________________________________________

County or City _________________________________________________________

Name of Club _________________________________________________________

Name of Leader ________________________________  Years in 4-H _________
Introduction

The Animal Science Project Units I, II, and III are designed for individual 4-H’ers and 4-H clubs that are interested in livestock but do not or cannot have animals of their own.

These are short-term projects and may be followed by other livestock and meats projects or by the Junior Stockman’s Project.

These projects may be used in school clubs, community clubs, special project clubs, or on an individual basis.

Meats judging, livestock judging, or participation in the Junior Stockman’s contest plus many other activities related to the livestock industry may all result from these Animal Science Projects.

Directions

This livestock project is designed for 4-H’ers of the suggested ages of 12-15 who may or may not have animals of their own. It can be completed in a short time and can be followed by more advanced projects designed for 4-H’ers with or without animals of their own.

Supporting Literature for this Project:

• Local Library

• Livestock or Breed Magazines

• Beef Steer Planning Guide (Publication 400-833)

• Market Lamb Guide (Publication 410-083)

• Market Hog Guide (Publication 414-001)

• 4-H Marvelous Meat! (Publication 388-746)

• Horse Science (CD-201 4-H Sourcebook $2.95)

A. Name the parts

1. Hog - Write the correct number by the proper name.
   ___ Jowl
   ___ Ear
   ___ Face
   ___ Eye
   ___ Snout
   ___ Neck
   ___ Shoulder
   ___ Front Leg
   ___ Forearm
   ___ Chest
   ___ Fore Flank
   ___ Rump
   ___ Loin
   ___ Back
   ___ Forerib
   ___ Belly
   ___ Rear Flank
   ___ Ham
   ___ Rear Leg
   ___ Hock
   ___ Side
   ___ Tail
   ___ Feet or Toes
   ___ Dew Claws
   ___ Pastern
   ___ Stifle

2. Sheep - Write the correct number by the proper name.
   ___ Breast or brisket
   ___ Shoulder
   ___ Top of shoulder
   ___ Neck
   ___ Poll
   ___ Forehead
   ___ Face
   ___ Muzzle
   ___ Forearm
   ___ Knee
   ___ Cannon
   ___ Back
   ___ Loin
   ___ Hip
   ___ Rump
   ___ Dock
   ___ Pastern
   ___ Dew Claw
   ___ Rear Flank
   ___ Belly
   ___ Foreflank
   ___ Middle
   ___ Hock
   ___ Leg
3. Cow - Write the correct number by the proper name.

___ Rump  ___ Hook  ___ Loin  ___ Back  ___ Crops  ___ Crest  ___ Neck  ___ Poll  ___ Eyes
___ Muzzle  ___ Pins  ___ Quarter  ___ Twist  ___ Hock  ___ Leg  ___ Pastern  ___ Forerib  ___ Middle
___ Flank  ___ Hoof  ___ Forearm  ___ Chest  ___ Brisket  ___ Shoulder  ___ Dewlap  ___ Jaw
4. Horse - Write the correct number by the proper name.

____ Fetlock
____ Hoof
____ Forehead
____ Poll
____ Crest
____ Hock
____ Knee
____ Forearm
____ Elbow
____ Buttock
____ Flank
____ Gaskin
____ Neck
____ Arm

____ Bridge of Nose
____ Stifle
____ Cannon
____ Ankle
____ Face
____ Upper Lip
____ Withers
____ Rump
____ Point of Hip
____ Thigh
____ Shoulder
____ Nostril
____ Under Lip
____ Point at Shoulder

____ Back
____ Loin
____ Pastern
____ Abdomen
____ Throat Latch
____ Barrel
____ Girth
____ Chest
____ Muzzle
____ Lower Lip
____ Coronet
____ Fetlock
B. Name the wholesale cuts of each species

1. Cow - Write the correct number by the proper name.

   ___ Chuck
   ___ Shank
   ___ Flank
   ___ Short Loin
   ___ Rump
   ___ Fore Quarter
   ___ Rib
   ___ Brisket
   ___ Plate
   ___ Sirloin
   ___ Round
   ___ Hind Quarter
2. **Hog** - Write the correct number by the proper name.

   ___ Jowl  
   ___ Ham  
   ___ Picnic  
   ___ Loin  
   ___ Boston Butt  
   ___ Belly  
   ___ Spareribs

3. **Sheep** - Write the correct number by the proper name.

   ___ Leg  
   ___ Breast And Shank  
   ___ Loin  
   ___ Shoulder  
   ___ Rib
C. Name the parts

1. **English Saddle** - Write the correct number by the proper name.

   - Seat
   - Cantle
   - Billets
   - Saddle flap
   - Gullet
   - Pommel
   - Panel (full)
   - Lining (part of panel)
   - Half panels
   - Panel
   - Dee for accessories
   - Saddle flap
   - Sweat flap
   - Buckle guard
   - Twist or waist
   - Point pocket (for point of tree)
   - Cantle
   - Dees for sandwich case:
   - Over-girth loop
   - Skirt
   - Stirrup bar under skirt
   - Saddle flap
   - Billets
   - Gullet
   - Lining (part of panel)
   - Sweat flap

2. **Western Saddle** - Write the correct number by the proper name.

   - Lace strings
   - Seat
   - Stirrup leather keeper
   - Wool lining
   - Dee ring
   - Stirrup
   - Skirt
   - Front jockey and seat jockey, one piece
   - Pommel
   - Dee ring
   - Skirt
   - Lace string
   - Fender
   - Fork
   - Leather flank girth billet
   - Stirrup leather
   - Cantle
   - Back housing or back jockey
   - Fornt tie strap or cinch strap
   - Rope strap
   - Horn
D. Name and give the origin and a brief description of six beef breeds:
(magazine pictures may be clipped and attached to this page)

1. 

2. 

3. 

4. 

5. 

6. 
E. Name and briefly describe four breeds of swine:
1. 
2. 
3. 
4. 

F. Name and briefly describe four breeds of sheep:
1. 
2. 
3. 
4.
G. Name and briefly describe four breeds of horses:
1. 
2. 
3. 
4. 

H. Feeds
Concentrates are feeds that are high in energy and can be used by horses, cattle, sheep, and hogs.
Give four examples of a concentrate:
1. 
2. 
3. 
4. 

Roughages are feeds lower in food value and higher in fiber than concentrates. Beef cattle and sheep can use roughages in their diets because they have four stomachs to break down this type of feed.
Give four examples of a roughage:
1. 
2. 
3. 
4. 
I. Activities to complete (Must do at least four)

1. Visit a farm with at least two of the three species of livestock discussed in this project. ____________

2. Visit a stockyard or livestock sale and price the stock sold. ____________

3. Give one talk or demonstration. ____________

4. Read a horse, cattle, sheep, and hog breed magazine. ____________

5. See a movie or slide set on horses, cattle, sheep, or hogs. ____________

6. Visit a feed store and price three concentrates and three roughages. ____________

Date Completed

Sign this Project:

______________________________________________
4-H Member

______________________________________________
Leader

______________________________________________
Extension Agent