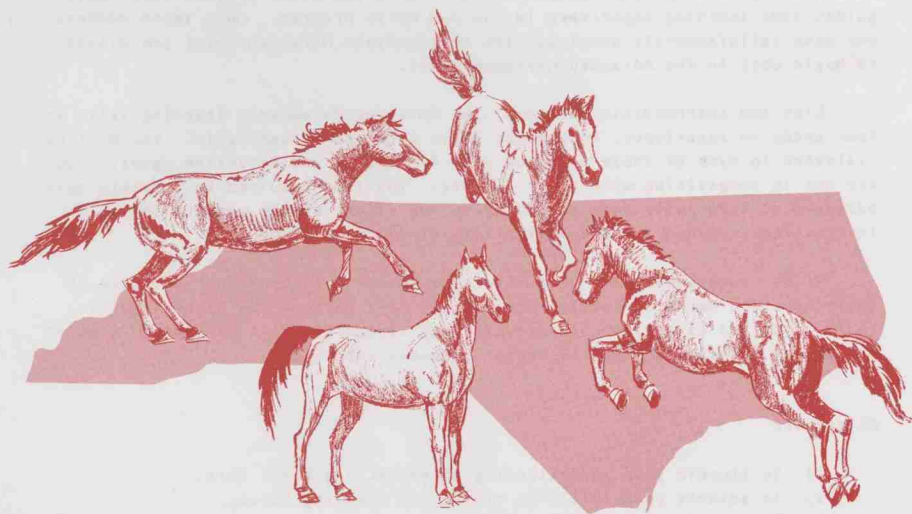


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North Carolina



Horse Record Book

Advanced Horseman — Level III

4-H HORSEMANSHIP PROJECT

Advanced Horseman - Level III

Introduction

The Advanced Horseman project is the third and final project level which guides your learning experience in the 4-H Horse Program. Only those members who have satisfactorily completed the Intermediate Horseman Level are eligible to begin work in the Advanced Horseman Level.

Like the Intermediate Horseman, the Advanced Horseman's learning falls in four areas -- experience, knowledge, horse care and horsemanship. You will be evaluated in each of these areas by your 4-H leader and Extension agent. You are not in competition with other 4-H'ers. The time required to complete this advancement level will vary according to the effort of the member, the instruction provided and the suitability of the project horse.

It is recommended that only mature horses be used by members working on their Advanced Horseman Level. Horses that will perform the natural gaits (walk, trot and canter) are preferable, but exceptions will be made in some of the riding tests if a member's horse is unable to trot.

Objectives

- 1) To improve your understanding of horses and horse care.
- 2) To advance your skills in riding and handling horses.
- 3) To provide goals for learning.
- 4) To make your 4-H horse project experience more interesting and enjoyable.
- 5) To allow you to work at your own speed, but at the same time challenging you to keep working to become a better horseman and 4-H member.

Suggestions for Project Record Completion

In order to complete this project and receive your Advanced Horseman Certificate, you should:

- 1) Be a bona fide 4-H member.
- 2) Be responsible for the regular care (feeding, grooming, stall cleaning and exercise) and management of a horse.
- 3) Have safe and suitable equipment for the horse (including saddle, bridle, halter and grooming tools).
- 4) Complete all the records of the 4-H Novice and Intermediate Horseman Project to the satisfaction of your 4-H leader and county Extension agent.

SECTION I. PROJECT INFORMATION

_____ (4-H member's name) has been responsible for management of the project horse for _____ days (minimum 60 days).

Signed: _____ (Parent)

_____ (Leader)

Name of horse _____ Age of Horse _____

Breed _____ Sex _____ Color _____

Registration Number (if registered) _____

1. How long have you owned or cared for your horse? _____
2. How many people other than you ride or use your horse? _____
3. Where is your horse kept? _____
4. Number of years in this project: _____
5. List one or more project areas in which you have worked this year in addition to the horse project: _____

Briefly describe what you have done in your other project(s): _____

6. a. Complete and describe your horse's pedigree (where known). Attach additional pedigree information if tracing beyond the grand sire and dam generation.

_____	Grand Sire
_____	Sire
_____	Grand Dam
_____	Grand Sire
_____	Dam
_____	Grand Dam

6. b. What's the phenotype of your horse's coat color? _____
What is the probable genotype(s) for this color? _____
7. If your animal is registered with a breed association, describe the youth award requirements for that association (i.e. champion, supreme champion, etc.). _____

4. Attend at least eight of the following club, district, state or national level activities. Indicate location in the space provided. (Attach additional pages if necessary.)

C = County; D = District; S = State; N = National

	<u>C</u>	<u>D</u>	<u>S</u>	<u>N</u>	<u>Date(s)</u>	<u>Leader's Signature</u>
Field Trip _____						
Approved Breed Association or AHSa Horse Show _____						
Horse Judging Contest _____						
Public Speaking Contest _____						
Demonstration Contest _____						
Competitive Trail Ride _____						
Three-Day Event _____						
Horse Bowl Contest _____						
Veterinarian's Tour _____						
Breeding Farm _____						
Dressage Clinic _____						
Reining Clinic _____						
Other _____						

5. List events participated in (attach additional pages if necessary):

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Award</u>
_____	_____	_____	_____
_____	_____	_____	_____

6. Summarize and attach your project events record from Level II to this record book III.
7. Develop an annual budget for a five-horse stable using the cost figures from your own stable. Start to develop a budget based on the chart on page 6.

List the individual figures for your project horse below:

<u>Month</u>	<u>Grain</u>		<u>Hay</u>		<u>Vet</u>		<u>Equipment</u>		<u>Supplement</u>		<u>Total Cost Month</u>
	<u>lbs.</u>	<u>cost</u>	<u>lbs.</u>	<u>cost</u>	<u>deworm</u>	<u>other</u>	<u>horse</u>	<u>rider</u>	<u>lbs.</u>	<u>cost</u>	
October											
November											
December											
January											
February											
March											
April											
May											
June											
July											
August											
September											
Total											

SECTION II. EXPERIENCE (continued)

COST EFFICIENCY

Month	Number of Horses	Feeding ¹			Deworming ²	Shoeing	Equipment ³	Facility	Vet	Other Costs	Total Cost/ Month
		Times/ day	Grain lbs./ feeding	Hay lbs./ feeding	Cost/ Month	Cost/ Month	Cost/ Month	Cost/ Month	Cost/ Month		
October											
November											
December											
January											
February											
March											
April											
May											
June											
July											
August											
September											
Total											

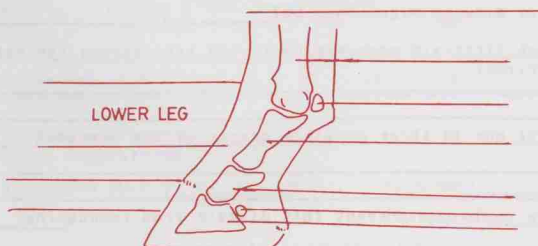
¹Include cost of supplements in the total cost/month.

²Include paste or powder deworming.

³Include purchase of new equipment, repair of damaged equipment and maintenance of existing equipment.

SECTION III. KNOWLEDGE (Anatomy, Health Care, Reproduction and Nutrition)

1. Label the following drawing of the bones of the horse's lower limb. Which bone(s) most affect length of stride?



2. Discuss the detection, cause, treatment and prevention of one common leg unsoundness (e.g. founder, ringbone, spavin, etc.).
- _____
- _____
- _____
3. As a farrier, how would you correctly trim:
- a. a pigeon-toed mature horse _____
- b. a splay-footed mature horse _____
4. Keep a record of your horse's deworming schedule. Include the kind of drug used and how it was given to the horse.

Date	Drug Used (brand or chemical name)	Type of Parasite Treated	How Was Drug Administered?	Cost
Total				

5. a. List three external parasites and symptoms associated with each parasite.
- _____
- _____
- b. Describe the life cycle of an internal parasite.
- _____
- _____
- c. Outline an annual deworming program that would prevent resistance against anthelmintics.
- _____
- _____

6. A horse has the following symptoms: elevated temperature, sweating, off feed, restlessness and increased respiration rate and discoloration of the mucus membranes.

a. What disease might this be? _____

b. What first-aid measures could you take before the veterinarian arrives?

c. List one to three possible causes of the disease? _____

d. How could you prevent this disease from reoccurring? _____

7. Describe the mare's visible characteristics and hormonal changes during parturition (foaling). _____

8. List important information that should be included in a breeding contract.

9. List the five major nutrient classes and their general function within the horse's body.

10. Draw and label the parts of the horse's digestive tract from mouth to rectum. Include accessory organs and indicate the function of each segment of the tract.

11. Detailed Nutrition Record (For nutritional information, refer to references listed at the end of this section.)

a. What type of work or activity does your horse perform?

- b. Do you know your horse's feed requirements? _____ If so, give the requirement for each type of work used.

Type of Work/Activity	Total Digestible Energy (TDN) lbs/day	Digestible Protein lb	Calcium gm	Phosphorus gm
Example: Maintenance	6.0 to 8.1	.6 to .8	12	12

- c. What kind of hay do you use? _____
Give its nutrient composition:

Digestible Protein (D.P.) _____ % Calcium _____ %
 TDN _____ % Phosphorus _____ %
 Vitamin A _____ (International Units - I.U.)

How much do you feed per day? _____ lb.

- d. What kind of grain was fed (oats, corn, sweet feed, etc.)? _____

Give its nutrient composition:

Digestible Protein (D.P.) _____ % Calcium _____ %
 TDN _____ % Phosphorus _____ %

How much grain is fed per day? _____ lb.

- e. Calculate the ration your horse received:

Crude Protein:

_____ lb. Hay x _____ % D.P. Hay = _____ lb. Digestible Protein
 _____ lb. Grain x _____ % D.P. Grain = _____ lb. Digestible Protein
 Total = _____ lb. Digestible Protein

Is this more, less or equal to your horse's requirement (see question b)?

Digestible Energy:

_____ lb. Hay x _____ % TDN Hay = _____ lb. TDN/Day
 _____ lb. Grain x _____ % TDN Grain = _____ lb. TDN/Day
 Total = _____ lb. TDN/Day

Is this above, below or equal to your horse's requirement? _____

Calcium:

_____ lb. Hay x _____ gm Ca/lb. Hay = _____ gm Calcium
 _____ lb. Grain x _____ gm Ca/lb. Grain = _____ gm Calcium
 Total = _____ gm Calcium

Is this more, less or equal to your horse's requirement? _____

Phosphorus:

_____ lb. Hay x _____ gm P/lb. Hay = _____ gm Phosphorus
 _____ lb. Grain x _____ gm P/lb. Grain = _____ gm Phosphorus
 Total = _____ gm Phosphorus

- f. If your ration is deficient in a nutrient(s), briefly describe a feeding program which would correct the deficiency. _____

- g. Did you feed a mineral supplement free choice to balance the calcium and phosphorus requirement? _____
 If yes, describe your mineral supplement. Give composition if it was home mixed (example: equal parts trace mineralized salt and dicalcium phosphate). _____
 How much supplement did your horse consume daily? _____
 Example: 1.75 lb. per week + 7 days per week = 1/4 lb. per day.
- h. Did you feed your horse salt? _____ Was the salt trace mineralized (red or blue color) or plain (white)? _____
 Was the salt offered in granular form or as a block? _____
- i. Was your horse turned out on pasture for feed, exercise or both? _____
 How long does he/she stay on pasture? _____ hours per day
 What kind of grass is in your pasture (clover, fescue, bermudagrass, etc.)? _____

Nutrient requirements and feed composition may be found in the following books (values may vary from one reference to another):

Horse Science

The Colson Company
 4-H Service Department
 901 North Main Street
 Paris, Illinois 61944
 (Pages 31-34)

Nutrient Requirement of Horses
 (1978 Edition)

Printing and Publishing Office
 National Academy of Science
 2101 Constitution Avenue
 Washington, D. C. 20418

The Horse

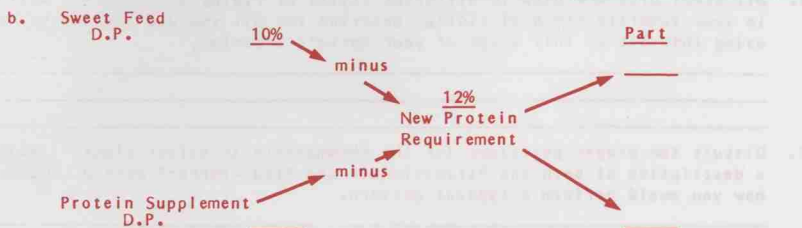
(1977 Edition)
 by Evans, Borton, Hintz and Van Vleck
 W. H. Freeman & Company
 San Francisco, California

Note: Your county Extension agent can help you get grain or hay analyzed through the N. C. Department of Agriculture Feed Testing Service. The feed tag on your grain will give some of this information. Book or table values may be used if your feed was not analyzed.

12. Using a Pearson Square ration-balancing technique, determine the amount of a protein supplement required to raise a sweet feed mixture from a 10% digestible protein to meet a horse's digestible protein requirement of 12%. Assume the horse consumes 5 pounds of grain per day. Consult the Horse

Science manual, page 32, for possible protein supplements. Use the following format.

a.	Digestible Protein (D.P.)	
	%	Lbs/Day
Sweet Feed	10	5
Protein Supplement	_____	_____
Why did you select the above protein supplement? _____		



c. Sweet Feed Part _____ + Protein Supplement Parts _____ =
 Total Parts _____ (New Grain Mix)

d. Convert total parts to a percent:
 Sweet Feed Total ÷ Total Parts in Grain Mix = _____ % Sweet Feed
 Protein Supplement Parts ÷ Total Parts in Grain Mix = _____ % Protein Supplement

e. Determine amounts (lbs.) of sweet feed and protein supplement required to make the 12% D.P. grain/protein supplement mixture. Remember, the horse consumes 5 pounds of sweet feed per day.

5 lbs. feed/day x _____ % sweet feed (new mixture) =
 _____ lbs. sweet feed in new mixture

5 lbs. feed/day x _____ % protein supplement (new mixture) =
 _____ lbs. protein supplement in new mixture

SECTION IV. STABLE MANAGEMENT

- Assume your family owns a 10-acre tract of land and four mature horses. Design an "ideal" horse barn with paddocks, pastures, barn, riding area and any other features that you might need. Allow 2 acres per horse and describe how you would fence for pasture rotation on a year-round basis. (Use horse magazines, United States Department of Agriculture publications, Extension publications, etc., as resources.) Be sure your layout corresponds to local building ordinances. Report this information on additional sheets.
- Name three kinds of fencing that are recommended for horses. List the advantages and disadvantages of each.

- You are about to trailer a horse for the first time. What steps, including safety checks, would you perform to insure that everything goes as planned? (Include proper leg wrapping, loading, hauling, and unloading procedures.)

SECTION V. TACK AND EQUIPMENT, SHOWMANSHIP, HORSEMANSHIP AND JUDGING

1. Measure your saddle seat size and record (in presence of 4-H Leader):

2. Different bits are used in different styles of riding with similar actions. In your favorite style of riding, describe the bit you use and why you are using this bit at this stage of your horse's training.

3. Discuss the proper positions for the showmanship at halter class. Include a description of both the "traditional" and "four-corner" method. Describe how you would perform a typical pattern.

4. Assume you have been given the "problem horse of the year." His faults include: 1) high headed; 2) throws head; 3) lacks collection; 4) over abundance of impulsion (spirited but gentle); 5) bites occasionally. What methods would you use to improve his performance? Include any auxiliary training aids you would use and for what purposes.

5. Analyze your own equitation problems. Explain the steps you are taking to correct these problems. (Be specific.)

6. Horse Judging:

- a. What do these terms mean to you when judging a class of horses?

1. masculinity _____
2. transition terms _____
3. pairs _____
4. cuts _____
5. combination statements _____
6. breed standard/character/type _____

b. Relate conformation to way of going. Use three examples.

c. Present a set of oral reasons on a conformation class to your leader (do not use). Date _____ Leader's Signature _____

7. Use your horse or borrow a horse to accomplish the following movements:

	<u>Date</u>	<u>Leader's Signature</u>
Lunge and drive a horse in a hackamore/bosal.	_____	_____
With the assistance of another rider, "pony" a young horse.	_____	_____
Demonstrate consistent pace at all gaits.	_____	_____
Take both leads from a stop.	_____	_____
Ride the following equitation pattern:		
Trot or jog a Figure 8 demonstrating correct equitation for your style of riding.	_____	_____
Canter or lope a Figure 8 demonstrating correct equitation and a simple lead change.	_____	_____
Stop, back, dismount and remount.	_____	_____
Jump a course of eight fences (total) -- include oxers and verticals at a fence height determined by your horse or pony's ability-- not to exceed our program rules.	_____	_____
- or -		
Ride a trail class with at least six different obstacles; side pass both directions; three of the obstacles must be gate, bridge and poles.	_____	_____
- or -		
Ride a shoulder-in, haunches-in, leg yielding at a trot or jog (two hands permissible).	_____	_____
- or -		
Demonstrate a flying change of leads in both directions.	_____	_____

SECTION VI. RECORDS

These records are to be filled out for completion of this record book.

Vaccinations (tetanus, Coggins Test, sleeping sickness, influenza, etc.)

Date	Vaccine	Cost

Shoeing Record

Date	Shod, Reshod or Trimmed	Cost

Medical Aids (physical exams, wound sprays, liniments, ointments, etc.)

Date	Item	Cost

Tack and Supplies (saddles, bridles, trailers, clippers, hoof black, etc.)

Date	Item	Cost

SECTION VII. ORGANIZATION AND PLANNING

Describe how you would organize and plan one of the North Carolina 4-H Horse Program's activities. Remember to include who you would get to sponsor the event, work at the event, participate and awards given. Also how would you publicize the event and the winners? This event can take place at the county, district or state level. Include a checklist of pre-event items (emergency health care, public address system, etc.) and budget for items purchased. (Attach additional sheets to record this information.)

Name
Address
County
Club Name
Leader's Name
Agent's Name
Project Name

Acknowledgements

This manual was adapted by a committee from the 4-H Horse Program consisting of:

Chairman, Mike Bogan, Extension 4-H Horse and Livestock Technician
 Liz Hillebrand, Former 4-H Member
 Bob Mowrey, Extension Horse Specialist
 4-H Horse Program Advisory Board Curriculum Committee Members

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