



GUIDELINES FOR HORSE/PONY RECORD BOOK

- 1. To attend fair with a horse, youth must complete either a workbook or a Poster/educational display and the Record Keeping Section .**
2. The workbook includes a record keeping section and My Horse/Pony Story and My 4H Story plus either A. Two topics from the age appropriate prior versions of the workbook as determined by the leader or B. An educational poster/project.
3. Judge will judge only current year record book. Previous workbooks will be included in the binder, but will not reflect on year being judged. Include a divider between each record book.
4. It will be the leader's discretion as to what record book youth need to complete for the current year.
5. A table of contents will be required for all record books (except Young Clovers).
6. All record books must include a score sheet in the front of the record book.
7. Score sheets need to be kept in the record book until fair.
8. Record books or educational project must be judged on Non-Livestock Day of Fair.

4-H HORSE SCIENCE PROJECT WORKBOOKS
[MUST SELECT TWO (AGE APPROPRIATE) TO ADD TO YOUR RECORD BOOK]

WORKBOOK A (Young Clover Age 5)

WORKBOOK B (Young Clover Age 6)

WORKBOOK C (Young Clover Age 7)

WORKBOOK D (Young Clover Age 8)

Obtain a workbook from your leader or the MSU Extension office. Follow the instructions. Complete the pages, make your own cover and put in booklet form. Add pictures of you and your horse/pony. Write about your 4-H horse/pony.

WORKBOOK 1

Thirty parts of the horse: Draw or trace a picture of a horse and label the parts.

NECK	SHOULDER	BARRELL	BACK	HEAD
FLANK	HIP	BUTTOCKS	TAIL	CANNON
FORELOCK	FETLOCK	POLL	PASTERN	GROUP
HEART GIRTH	MANE	STIFLE	GASKIN	CORONET
KNEE	HOOF	POINT OF HIP	LOIN	HOCK
ARM	FOREARM	WITHERS	CHEST	CREST

Feeding: What do you feed and how many times a day? Why water is important and how much does a horse need every day?

Three Breeds of Horse: Draft, Pony, Light Breed - Choose one breed in each category and discuss size, conformation and uses.

Colors of Horses: Describe these five colors – black, bay, white, chestnut and brown.

Horse Markings: Draw a picture showing the different face and leg markings.

Horse Talk: Discuss how horses talk, sounds they make and body language.

Western Saddle: Show a picture and label the parts.

Western Bridle and Bits: Show a picture and label the parts of the bridle. Show a picture of a curb bit and a snaffle bit. Explain the differences between the bits.

Unsoundness: Thrush and founder, what are they and how are they treated?

Five Safety Rules

My 4-H Horse/Pony

My 4-H Story

WORKBOOK 2

Forty-five parts of the horse: Draw or trace a picture of a horse and label the parts.

MUZZLE	HOCK	CANNON	NECK	TAIL
FOREHEAD	HOFF	CREST	ERGOT	ANKLE
BARREL	JAW	BACK	FACE	GASKIN
BUTTOCKS	CHEEK	DOCK	SHOULDER	POINT OF HOCK
KNEE	UNDERLINE	HEART GIRTH	FOREARM	POLL
NOSTRILS	STIFLE	THROATLATCH	HIP	BARS OF MOUTH
WITHERS	FORELOCK	CORONET	FETLOCK	POINT OF HIP
GROUP	ELBOW	WINDPIPE	MANE	COUPLING
PASTERN	FLANK	ARM	LOIN	CHEST

Horse Health: Tell what a healthy horse looks like and how he acts. What can you do to keep your horse healthy?

Colors of Horses: Describe these six colors – gray, palomino, roan, dun Appaloosa, paint/pinto.

Hoof Care: Describe daily care and routine farrier care, trimming/shoeing.

English Bridle and Bits and Saddle: Saddle, bridle, kimberwick and pelham, show a picture of each and label the parts.

Basic Tack Care: Describe how to clean tack and what products to use.

Ten Safety Rules

Vices: Shying and biting, why do they happen and how do you stop the vices?

The Aides: Hands, voice and legs, tell how each is used.

My 4-H Horse/Pony

My 4-H Story

WORKBOOK 3

Basic Feeds: Two grains – corn and oats, two hay types – alfalfa and grass, describe each and how the horse benefits from eating each.

Show Grooming: Rub rag, scissors/clippers, sponge, sweat scraper, mane and tail comb. Write a paragraph describing how to groom a horse for a show using each of these items.

Unsoundness: Splints and shoe boil, what are they and how are they treated?

Three Gaits: Walk, trot and canter – describe the different beat and footfalls of each gait.

The Aids: Heels, weight and seat – tell how each is used.

Vices: Kicking and halter pulling – why do they happen and how do you stop these vices?

Breeds: Three light horse breeds – discuss how they are different in conformation and use. Show a picture of each.

Cooling Out: Write a paragraph discussing what cooling out is and why it is done.

The Horses Vision: Describe basically how a horse sees.

My 4-Horse/Pony

My 4-H Story

WORKBOOK 4

Breed Report: Choose one breed, show a picture, tell its history and discuss its different uses.

Waste Management: Write a paragraph explaining two methods of disposing of your horse waste.

Conditioning the Horse for Showing: Discuss how to condition the horse and why it's important to do so.

Sportsmanship/Ring Etiquette: Explain what they are and discuss how they are the same and how they are different.

Leads: Write a paragraph discussing what a lead is and how to cue the horse to take a lead.

Unsoundness: Ringbone, bog spavin and capped hock – what are they and how is each treated?

Vaccinations: Write a paragraph discussing when and why a horse needs annual vaccinations. List the most common injection sites and areas to avoid.

First Aid: List common items you should always have on hand in your barn and what each is used for.

My 4-H Horse

My 4- Story

WORKBOOK 5

Unsoundness: Fistula of the withers and heaves – what are they and how is each treated?

Vices: Barn sour and cribbing – why do they happen and how do you stop these vices?

The Age of a Horse: Discuss how a horse ages and how his teeth change with age.

External Parasites: Name the common external parasites and discuss how to prevent them and the treatment for them.

Internal Parasites: Name the common internal parasites and discuss how to prevent them and the treatment for them.

Worming Program: Discuss why it's important to worm your horse. Name the different types of worming medications on the market. Discuss the three methods of worming (paste, granular and tubing) and explain how they are different and the same. List the advantages and disadvantages of each medication used including costs. Outline a worming program.

Diseases: Pick a disease not on workbook 8 and discuss in detail including cause, treatment and expected outcome.

Shipping Fever: What is it? How is it treated and can it be prevented?

My 4-H Horse

My 4-H Story

WORKBOOK 6

Bone Structure: Show a picture of a horse skeleton. Label the bones and discuss the ideal angles of the shoulder, hip, stifle, hock and pastern. Why are the ideal angles important to conformation and function?

Breed Report: Discuss one breed of draft horse. Show a picture. Discuss the history of the breed, its conformation, color and markings. Discuss the most common use of this breed and any other work/sport man may use it for.

Unsoundness: Quarter crack and sidebone – what are they and how is each treated?

Vices: Rearing and pawing – why do they happen and how do you stop these vices?

Digestive System: Show a picture and label parts. Discuss how a horse digests his food. Tell how the different feeds/hay are digested and used by the horse's body. Discuss how a feeding program may change depending on how the horse is used and what his physical needs are.

Colic: What is it and what potential risk does it pose to the horse? What causes it and how is it treated? How can it be prevented?

The Horse's Teeth: Discuss how the teeth grow and wear. How does environment and food sources affect horse's teeth? What can the horse owner do to care for his horse's teeth?

My 4-H Horse

My 4-H Story

Workbook 7

Muscles of the Horse: Show a picture of the horse's muscles. Label the muscles. Pick a major muscle group to describe and explain how it works.

Founder: Discuss the clinical signs and causes, treatment and prevention.

Equine Careers: Report in depth on two equine careers including preparation and schooling.

My 4-H Horse

My 4-H Story

WORKBOOK 8

Equine Diseases: Discuss the clinical signs and symptoms, mode of transmission, treatment and prevention for each of the following diseases.

Equine Influenza

Equine Rhinophneumonitis
Eastern, Western and Venezuelan Encephalomyelitis
Equine Viral Arteritis (EVA)
Equine Infectious Anemia
Potomac Horse Fever
Strangles
Tetanua
West Nile

(Please note: for this report you may find it helpful to talk to your veterinarian).

My 4-H Horse

My 4-H Story

WORKBOOK 9

Parasites: External Parasites

Flies: list the different species of flies common to horses and discuss control and insecticides.

Discuss the clinical signs, treatment and prevention of the following external parasites – cattle grubs, lice, ticks, mites and blister beetles.

Parasites: Internal Parasites

Discuss prevention and control of each of the internal parasites listed below. Make a life cycle diagram and give a brief explanation of how each parasite migrates through the horse.

Ascarids (roundworms)

Stonglyles (bloodworms)

Pinworms

Stomach bots

Strongloides (threadworms)

Tapeworms

(Please note: for this report you may want to contact your veterinarian for additional information, or you may choose to contact a few manufactures of the common products you use for your horse and ask them for information).

My 4-H Horse

My 4-H Story

WORKBOOK 10

The Broodmare

Include a picture and label the reproductive organs of the mare. Discuss the following topics related to the cure of the broodmare.

Heat cycle length and the influence of the time of year on the heat cycle.

Manipulation of the heat cycle.

How many times to breed during the heat cycle and the best time to achieve conception.

How to tell when a mare is receptive to a stallion.

Care of the pregnant mare:

Vaccinations

Worming – when and how often

Hoof care

Feeding – supplements, hay and grain.

Foaling – progression of labor and birth

After foaling – mare care

Care of the mare during weaning.

(Please note: for this report it may be helpful to contact a breeding facility and ask if you could observe their operation. Explain to them you are doing a report for 4-H).

My 4-H Horse

My 4-H Story

WORKBOOK 11

The Breeding Stallion

Include a picture and label the reproductive organs of the stallion. Discuss the following topics related to the care of the stallion.

What to look for in a breeding stallion.

Different methods of breeding (minimum of three). Explain each method and the pros and cons.

Breeding hygiene.

Breeding program.

Genetics.

My 4-H Horse

My 4-H Story

WORKBOOK 12

Traveling – National and International

Discuss the following in detail.

Requirements – vaccinations, health certificates, etc.

Travel safety.

Trailer safety.

Plan a road trip from Michigan to California with a travel itinerary.

Equine liability

My 4-H Horse

My Story

1/27/11