

MECOSTA COUNTY 4-H SWINE PROJECT AREA

NOTEBOOK GUIDELINES

SWINE EDUCATIONAL NOTEBOOK # 1

Items A, B, C, and D are required for notebook #1

- A. Decorative Cover
- B. Title Page
- C. Table of Contents and Notebook Guidelines
- D. Place the year that you complete each page in the lower right corner of each page.

Level One (1) Swine notebook options:

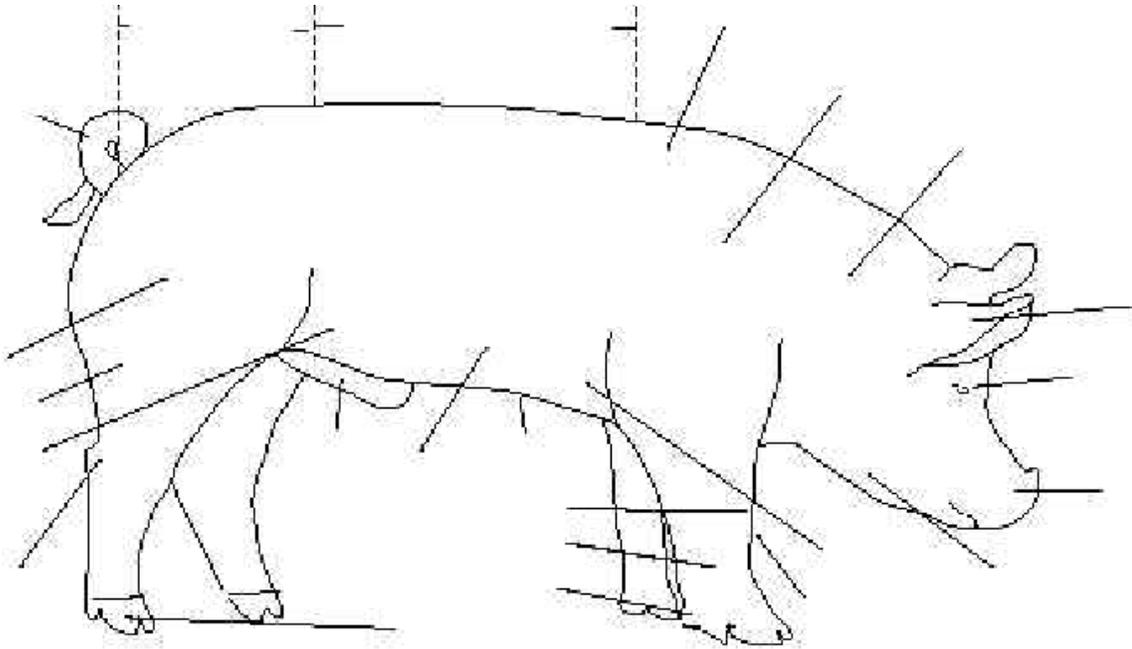
- Options #1 -First year complete 6 of the following items.
-Second year complete the remaining 6 items.

- Option #2 - First year complete all 12 items.

Year
Completed

- _____ 1. Describe and tell the important characteristics of (3) breeds of swine
Start with your own and (2) others. Include body type and breed standard.
- _____ 2. Identify and label the parts of the swine. Diagram on page 2.
- _____ 3. List the equipment/tack you will need to show your swine.
- _____ 4. Explain the following terms; registered, purebred and crossbred.
- _____ 5. Define the term disqualification. Give examples of temporary and permanent disqualifications.
- _____ 6. What tag is a market swine required to have in order to show and why?
- _____ 7. Describe the cause, symptoms, treatment and prevention of scours.
- _____ 8. Explain the proper procedure when handling swine. (Body/hand position, tack used, your behavior)
- _____ 9. Describe and draw a diagram of your housing area and the equipment you use in
the care of your swine. May use a photograph with your written explanation.
- _____ 10. Describe your feed program, including the nutritional value breakdown of protein,
fat and crude fiber.
- _____ 11. Keep a record of your swine and expenses incurred. Include in your notebook.
- _____ 12. Include pictures of your swine and awards you may have accomplished.

Parts of Swine



Word Bank

Neck	Tail	Ear	Sheath	Belly	Underline
Forearm	Rump	Eye	Snout	Back or Loin	Stifle
Ham	Hock	Rear Flank	Shoulder Blade	Shoulder	Foreflank
Knee	Jowl	Forearm	Cannon	Pastern	Dewclaws

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SWINE EDUCATIONAL NOTEBOOK #2

Items A, B, C, D, and E are required for notebooks 2- 4

- A. Decorative Cover
- B. Title Page
- C. Table of Contents and Notebook Guidelines
- D. Your 4-H Story (Tell about your swine project- where you obtained, your goals etc.)
- E. Place the year you complete each page in the lower right corner of each page

Level Two (2) Swine notebook options:

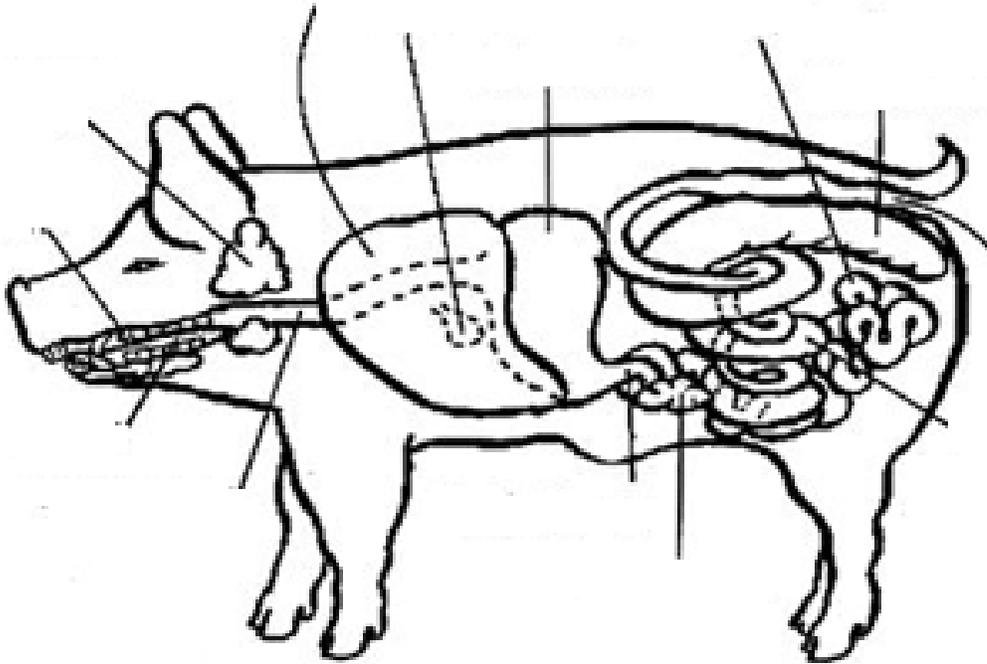
- Option #1 -Third year complete 6 of the following items
-Fourth year complete the remaining 6 items

- Option #2 -Third year complete all 12 items
-

Year
Completed

- _____ 1. Describe and tell the important characteristics of (3) breeds of swine. Total of (6) in notebook. Include body type and breed standard.
- _____ 2. Identify and label parts of the digestive system. Diagram on page 2.
- _____ 3. Describe the symptoms, cause and treatment of pneumonia, abscess and dysentery.
- _____ 4. Describe the daily feed requirements of grain and water (in pounds) for both sows and feeder pigs. Include what a typical grower and finishing ration of grain consists of. (% of ingredients)
- _____ 5. Describe the proper procedure for identification using ear marks.
- _____ 6. List the proper ranges for swine vital signs. (temperature, heart rate and respiration rate)
- _____ 7. Explain the difference between a boar and a barrow and why you would choose to castrate.
- _____ 8. Identify three parasites that affect swine.
- _____ 9. Describe a trip you took to a swine show, swine farm or any other swine event.
- _____ 10. List what vaccines should be administered to swine.
- _____ 11. Continue your swine records for breeding, feeding, and expenses. Include in notebook.
- _____ 12. Include pictures of you and your swine and any ribbons/awards you may have won at fairs/shows.

Digestive System



Word Bank

Salivary Gland
Liver w/ Gallbladder
Stomach
Rectum

Teeth
Tongue
Small Intestine
Large Intestine

Cecum
Esophagus
Duodenum
Pancreas

MECOSTA COUNTY 4-H SWINE PROJECT AREA
NOTEBOOK GUIDELINES

SWINE EDUCATIONAL NOTEBOOK # 3

Items A, B, C, D and E are required for notebooks 2- 4

- A. Decorative Cover
- B. Title Page
- C. Table of Contents and Notebook Guidelines
- D. Your 4-H story (Tell about your swine project- where you obtained, your goals etc.)
- E. Place the year that you complete each page in the lower right corner of each page.

Level Three (3) Swine notebook options:

Options #1 -Fifth year complete 6 of the following items.
-Sixth year complete the remaining 6 items.

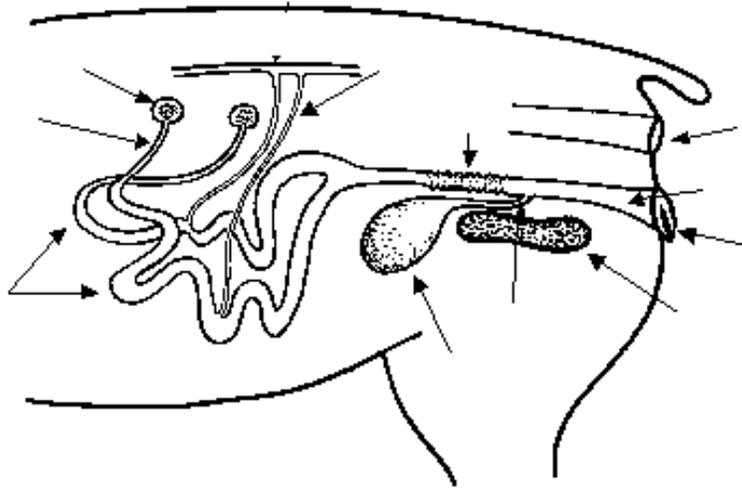
Option #2 - Fifth year complete all 12 items.

Year
Completed

- _____ 1. Describe and tell the important characteristics of (2) breeds of swine. Total of (8) breeds in notebook. Include body type, breed standard and country of origin.
- _____ 2. Identify and label the parts of the reproductive system. Diagrams on page 2.
- _____ 3. Define the following terms; ovary, ovum, testis, sperm and the gestation period of a sow.
- _____ 4. Explain the proper procedure to help newborn piglets to breath if they need assistance.
- _____ 5. List (4) possible piglet loss reasons and how to avoid them.
- _____ 6. Explain why a gilt should be almost eight months old before she is bred.
- _____ 7. Describe the desirable characteristics of the swine's loin, shoulders and legs.
- _____ 8. Explain what cut bacon and ham come from and include (2) recipes containing either one.
- _____ 9. List (6) swine by-products and their uses.
- _____ 10. List what techniques are used to deworm swine.
- _____ 11. Continue your swine records for breeding, feeding, and expenses. Include in notebook
- _____ 12. Include pictures of you and your swine and any ribbons/awards you may have won at fairs/shows.

Reproductive System

THE REPRODUCTIVE TRACT OF THE SOW



Word Bank

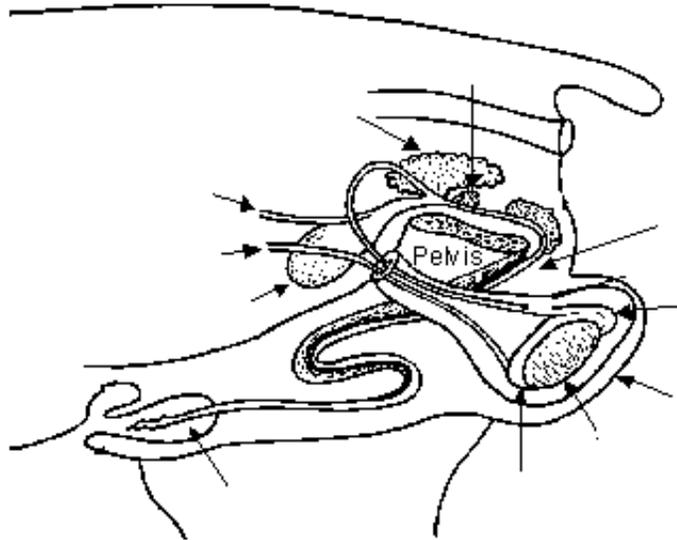
Ovary
Horns of Uterus
Bladder

Uterine Arteries
Cervix
Rectum

Oviduct
Pelvis
Urethra

Vulva
Vagina

THE REPRODUCTIVE TRACT OF THE BOAR



Word Bank

Bladder
Epididymis(head)
Prostate Gland

Testicle
Ureter
Epididymis (tail)

Blood Vessels
Seminal Vesicles
Urethra

Penis
Scrotum

MECOSTA COUNTY 4-H SWINE PROJECT AREA

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SWINE EDUCATIONAL NOTEBOOK # 4

Items A, B, C, D and E are required for notebooks 2- 4

- A. Decorative Cover
- B. Title Page
- C. Table of Contents and Notebook Guidelines
- D. Your 4-H story (Tell about your swine project- where you obtained, your goals etc.)
- E. Place the year that you complete each page in the lower right corner of each page.

Level Four (4) Swine notebook options:

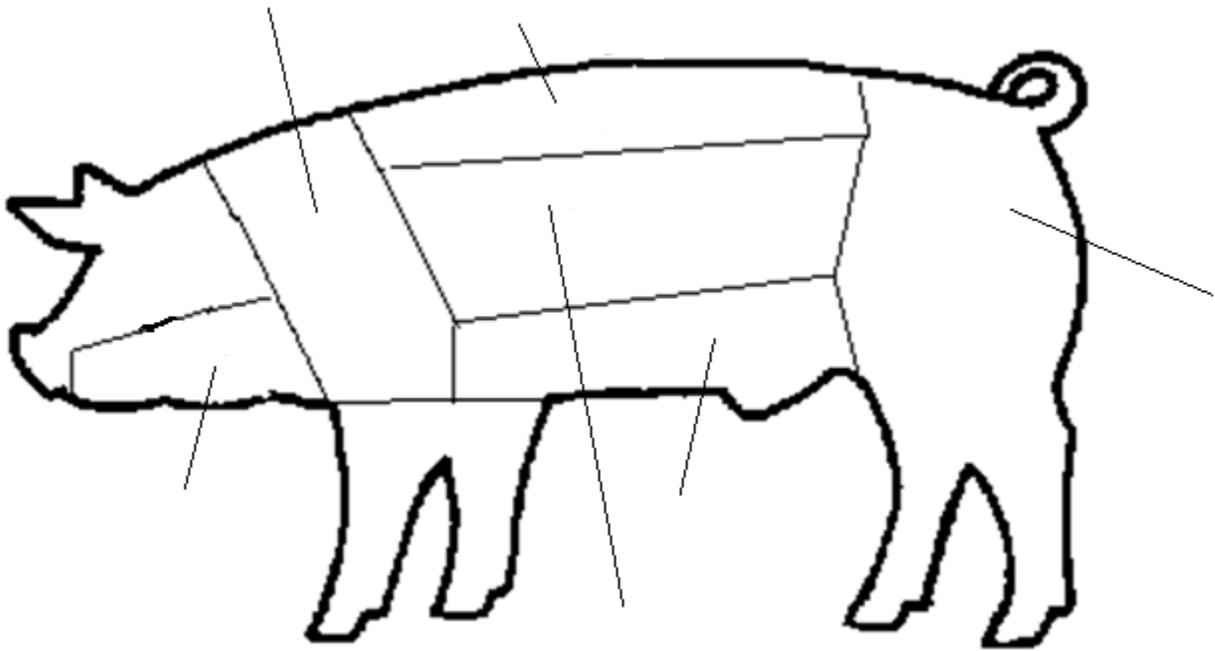
- Options #1 -Seventh year complete 6 of the following items.
-Eighth year complete the remaining 6 items.

Option #2 - Seventh year complete all 12 items.

Year
Completed

- _____ 1. Describe and tell the important characteristics of (2) **rare** (minor breeds) of swine. Total of (10) in notebook. Include body type, breed standard and their country of origin.
- _____ 2. Describe how nutrients are absorbed in the digestive system. Begin at the mouth.
- _____ 3. Choose (5) signs each of a healthy pig and a sick pig and why it is important to be aware of.
- _____ 4. Explain the difference between wholesale and retail cuts.
- _____ 5. List (7) cuts of meat and the price per pound of each from your local grocery store.
- _____ 6. Describe (3) marketing techniques and the current market price for swine. (both sows and feeders)
- _____ 7. Label the diagram for retail cuts of meat. Diagram on page 2.
- _____ 8. Identify (5) cuts of pork and locate what part of the carcass each cut is found and name one of the skeletal bones found in each cut. Page 3 of notebook.
- _____ 9. Describe the pros and cons of breeding or purchasing a market swine project.
- _____ 10. List (4) resources that you could use to help you answer swine related questions. (1) must be from the internet and you must note the website or source you found.
- _____ 11. Continue your swine records for breeding, feeding, and expenses. Include in notebook.
- _____ 12. Include pictures of you and your swine and any ribbons/awards you may have won at fairs/shows.

Whole Cuts of Meat



Word Bank

Bacon
Loin Chops

Ham
Ribs

Shoulder
Jowl Bacon

Identifying Pork Retail Cuts

Retail Cut	Wholesale Cut	Skeletal Bone
Example: Leg Cutlet	Leg	Femur (leg bone)
1.		
2.		
3.		
4.		
5.		

MECOSTA COUNTY 4-H SWINE PROJECT AREA

NOTEBOOK GUIDELINES

SWINE EDUCATIONAL NOTEBOOK ADVANCED

Items A, B, C and D are required for the Advanced notebook.

- A. Decorative Cover
- B. Title Page
- C. Table of Contents and Notebook Guidelines
- D. Place the year that you complete each page in the lower right corner.

Level Advanced Swine notebook options:

Options #1 -Ninth year complete 6 of the following items.
-Tenth year complete the remaining 6 items.

Option #2 - Ninth year complete all 12 items.

Year
Completed

- _____ 1. Define the term F₁, explain the benefits of crossbreeding and list (4) common crossbreed breeds.
- _____ 2. Give (5) examples each of ethical and non ethical situations relating to raising and/or showing swine. (examples; helping younger members, having grandpa raise your project animal)
- _____ 3. Research and define the terms Animal Welfare and Animal Rights.
- _____ 4. Choose a topic relating to the swine industry and present arguments from both the animal welfare view and the animal rights view. (Ex: Overcrowding of livestock operations)
- _____ 5. Page 2 contains photos of a market hog class. Judge and present reasons on your placing. Use comparative terms. An example reason note card and examples of terms are provided.
- _____ 6. Define Quality Assurance. List (4) practices that help to ensure Quality Assurance.
- _____ 7. Explain why treatment records are important and list (3) medications given to swine, how they are administered, withdrawal time and why withdrawal time is important.
- _____ 8. Create a game complete with rules to help a younger member to learn more about swine.
- _____ 9. Describe a trip you took to a swine show, swine farm or any other swine event and why you would recommend to a younger member to do so.
- _____ 10. Continue your swine records for breeding, feeding, and expenses. Include in notebook.
- _____ 11. Include pictures of you and your swine and any ribbons/awards you may have won at fairs/shows.
- _____ 12. Write a brief summarization of your 4-H experience and how it impacted your life.

Market Swine Class



1.



2.



3.



4.

