

# 2024 Washington County Skillathon Study Guide

Saturday, July 20, Jr Fair Building, Washington Co Fairgrounds

## Schedule:

Last Name A – E: 8:30 – 9:30    Last Name F – L: 9:30 – 10:30    Last Name M – Z: 10:30 – 11:30  
Hogs, Beef, Dairy Feeder Steers, Goats, Lambs, Poultry,  
Dairy, Rabbit (Except pet rabbit), Horse (except horseless horse)

- All 4-H & FFA market livestock, dairy, breeding and horse project members are required to participate in the skillathon for each of their projects to remain in good standing and to exhibit, show and/or sell at any of our three fairs in the county.
- All youth (4-H & FFA) MUST participate in the skillathons for each project in order to be eligible to exhibit show and/or sell at the Waterford Community Fair, Washington County Fair, or Barlow Independent Fair
- Each skillathon will have age divisions: Junior (ages 8-11); Intermediate (ages 12-14); Senior (ages 15 & over). All ages will be as of January 1<sup>st</sup> of the current year.
- Livestock project members can purchase a copy of the project resource guides from the OSU Extension Office. All FFA chapters have copies of the 4-H Resource guides. This Study Guide will serve as the Source of Study Materials for exhibitors.
- Any Skillathon information not found in your resource handbook can be downloaded from <https://go.osu.edu/washjudging> or picked up from the OSU Extension Office
- **Skillathon Make-Up Date: August 5** – RSVP required with \$20 registration fee. Sign up here to reserve your spot: <https://go.osu.edu/skillathonmakeup>
- Make-up Skillathon participants will not be eligible for premier exhibitor.

## Project Interview and Book Judging – *What you are expected to bring....*

### First Year 4-H Projects

Must purchase the appropriate 4-H Livestock Record book from OSU Extension and complete the project book(s) based on the level (beginner, intermediate, senior). Members should complete the Topic Summary and be prepared to discuss the summary with the judge. Members should also complete pages that relate to feed expenses, rate of gain, growth charts, and treatment record (where applicable). Members should also include a picture of their project animal and insert it on the appropriate page. Some pages may be optional. Judges will give a score based on the pages completed and questions asked by the judge during the interview.

### Second Year and Beyond 4-H Projects

Must get a 2024 4-H Livestock Record Book from OSU Extension and complete all the activities in the record book. You need one Livestock Record Book for each project (not animal) you are raising. Keep this record book in a binder with previous project books.

### FFA Members

Must bring a **printed** record book to judging – It can be off AET or a printed record book provided by your FFA advisor. If student does not bring a printed record they must see an FFA Instructor to view the AET book online.

#### 1. **SAE Project Name**

2. **Scope** - The year, quantity, unit, and description should be listed.

3. **Animal Photo** - Choose Portfolio on the left-hand side, and then the folders of Experience/SAEs are in the top right corner. Click edit next to the photo to add a caption. You must include a caption in order for the picture to be attached to your record book. Or students can print off a hard copy and attach it to your AET record book.

(numbers 4-7 are all located in the Pencil link in the Project Experience Manager section)

4. **Description** - You can copy and use the section from AET at the top or you can write in your own description that outlines other items not listed above.

5. **Time Investment** - You can copy and use the section from AET at the top or you can write in your own time description that outlines other items not listed above.

6. **Financial Investment** - You can copy and use the section from AET at the top or you can write in your own financial description that outlines other items not listed above.

7. **Learning Objectives** - At least three skill areas should be chosen, and the Planned Activities should be listed with the three Skill Areas. However, the Results or Outcome section are not required to be filled out due to the project not being completed at the time of Skillathon.

8. **Budget** - Income section-either Stock Show sale or Cash/Market Sale value and memo should be listed. Expenses section-Feed & Inventory for Resale value and memos should be listed.

9. **Journals** - Enter Feeding, washing, cleaning pens, Showmanship practice at home, etc. and how many hours.

10. **Operating Expenses** - Inventory for resale (Animal purchased), feed, bedding, etc. should be listed as operating expenses.



## BEEF SKILLATHON

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<b>Juniors</b> (4-H ages 8-11)	<ul style="list-style-type: none"><li>*Identify all the parts of a beef animal. (Beef Resource Handbook, page 2-2)</li><li>*Identify 8 wholesale cuts: chuck, plate, brisket, loin, shank, round, flank, rib. (Beef Resource Handbook page 8-11)</li><li>*Identify 6 beef breeds – Angus, Hereford, Limousin, Maine-Anjou, Shorthorn, Simmental (Beef Resource Handbook, page CP-1 – CP-5)</li></ul>
<b>Intermediates</b> (4-H ages 12-14)	<ul style="list-style-type: none"><li>*Identify all the parts of a beef animal. (Beef Resource Handbook, page 2-2)</li><li>*Identify parts of Ruminant Digestive System, (B.R.H., page 7-1)</li><li>*Label parts of a feed tag (B.R.H., page 12-13)</li><li>*Label parts of an animal's flight zone (B.R.H., page 4-2)</li></ul>
<b>Seniors</b> (4-H ages 15 & over)	<ul style="list-style-type: none"><li>*Identify feet and leg structures (Beef Resource Handbook, page 2-12)</li><li>*Label the 13 features of an ideal market steer (rear view). (BRH pg. 2-11)</li><li>*Match 6 Major Minerals with their function and deficiency signs (B.R.H., page 7-5)</li><li>*Match 9 Body Condition Scores with descriptors (B.R.H., page 7-19)</li></ul>

## DAIRY SKILLATHON

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<b>Juniors</b> (4-H ages 9-13)	<ul style="list-style-type: none"><li>*Identify all the parts of a dairy cow (Dairy Resource Handbook, page 15)</li><li>*Identify 6 dairy breeds - (DRH, pages 9-13)</li><li>*Identify 11 parts of dairy mammary anatomy – (See supplemental sheet from OSU Extension)</li></ul>
<b>Intermediates</b> (4-H ages 12-14)	<ul style="list-style-type: none"><li>*Identify all the parts of a dairy cow. (D.R.H., page 15)</li><li>*Identify parts of Ruminant Digestive System, (D.R.H., page 41)</li><li>*Identify parts of Mammary Structure – Rear view &amp; Side View (See supplemental study sheet)</li><li>*Label parts of an animal's flight zone (D.R.H., page 18)</li></ul>
<b>Seniors</b> (4-H ages 15 & over)	<ul style="list-style-type: none"><li>*Identify feet &amp; leg structures (See supplemental study sheet from OSU Extension)</li><li>*Match the following 5 diseases to their symptoms, treatment, cause and prevention: Diarrhea, Pneumonia, Lice, Warts, and Ringworm (DRH, pgs. 85-86)</li><li>*Place the 7 Steps to Fluid Milk Processing in the proper order (D.R.H., page 142)</li><li>*Match 6 Major Minerals with their function and deficiency signs (D.R.H., page 46-47)</li></ul>

## DAIRY FEEDER SKILLATHON

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<b>Juniors</b> (4-H ages 8-11)	<ul style="list-style-type: none"><li>*Identify all the parts of a beef animal. (Beef Resource Handbook, page 2-2)</li><li>*Identify 8 wholesale cuts: chuck, plate, brisket, loin, shank, round, flank, rib. (Beef Resource Handbook page 8-11)</li><li>*Identify 6 dairy breeds – Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey, Milking Shorthorn (Beef Resource Handbook, page 11-2 &amp; 11-3)</li></ul>
<b>Intermediates</b> (4-H ages 12-14)	<ul style="list-style-type: none"><li>*Identify all the parts of a beef animal. (Beef Resource Handbook, page 2-2)</li><li>*Identify parts of Ruminant Digestive System, (B.R.H., page 7-1)</li><li>*Label parts of a feed tag (B.R.H., page 12-13)</li><li>*Label parts of an animal's flight zone (B.R.H., page 4-2)</li></ul>
<b>Seniors</b> (4-H ages 15 & over)	<ul style="list-style-type: none"><li>*Identify feet and leg structures (Beef Resource Handbook, page 2-12)</li><li>*Label the 13 features of an ideal market steer (rear view). (BRH pg. 2-11)</li><li>*Match 6 Major Minerals with their function and deficiency signs (B.R.H., page 7-5)</li><li>*Match 9 Body Condition Scores with descriptors (B.R.H., page 7-19)</li></ul>

## HORSE SKILLATHON - See Supplemental Study Sheets from OSU Extension Office or [Washington.osu.edu](http://Washington.osu.edu)

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<b>Juniors</b> (4-H ages 8-11)	<ul style="list-style-type: none"><li>*Identify all the parts of a horse</li><li>*Identify parts of the horse digestive tract</li><li>*Identify 5 breeds: Appaloosa, Palomino, American Paint, Quarter Horse &amp; Percheron</li></ul>
<b>Intermediates</b> (4-H ages 12-14)	<ul style="list-style-type: none"><li>*Identify all the parts of a horse</li><li>*Identify 8 pieces of tack &amp; equipment: sweat scraper, hoof pick, oval finishing brush, dandy brush, shedding blade, grooming mitt, electric clippers, and mane &amp; tail comb</li><li>*Identify horse conformation – rear side view &amp; front side view</li></ul>

- Seniors**  
(4-H ages 15 & over)
- \*Identify the parts of the hoof
  - \*Identify horse conformation – front view & rear view
  - \*Identify 5 snaffle bits and 5 shank bits

## GOAT SKILLATHON

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- Juniors**  
(4-H ages 8-11)
- \*Identify 20 parts of a goat (Goat Resource Handbook, page 22)
  - \*Identify 9 parts of a feed tag (GRH pages 58-60)
  - \*Identify 7 Breeds: Alpine, Toggenburg, LaMancha, Nubian, Saanen, Boer, Oberhasli (GRH pages 12-17)
  - \*Identify 4 parts of the hoof (G.R.H., page 87)

- Intermediates**  
(4-H ages 12-14)
- \*Identify 30 parts of a goat (Goat Resource Handbook, pg. 22)
  - \*Identify the parts of a ruminant digestive system (GRH, page 49)
  - \*Identify goat topline structure (GRH, page 26)
  - \*Label parts of an animal's flight zone (G.R.H., page 32)

- Seniors**  
(4-H ages 15 & over)
- \*Match 14 goat diseases to their descriptions – Pneumonia, Coccidiosis, Foot Rot, Enterotoxemia, Urinary Calculi, Contagious Ecthyma (Soremouth), Tetanus (Lockjaw), Caseous Lymphadenitis (Abscesses), Pinkeye, Ringworm, Ketosis (Pregnancy Disease), Milk Fever, Caprine Arthritis Encephalitis, Scrapie (GRH, pages 88-93)
  - \*Identify feet & leg structures (GRH, pages 24 & 25)
  - \*Classify feed ingredients into primary nutrient groups (GRH, page 56)
  - \*Match 4 Major Minerals with their function and deficiency signs (G.R.H., page 53)

## CHICKEN SKILLATHON – See Supplemental Study Sheets from OSU Extension Office or website

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- Juniors**  
(4-H ages 8-11)
- \*Identify all the parts of a chicken (cockerel)
  - \*Identify 6 different bird combs
  - \*Identify parts of medication label

- Intermediates**  
(4-H ages 12-14)
- \*Identify 10 breeds of chickens: Cochin – Buff, Langshan – Black, Plymouth Rock – White, Leghorn – Single Comb White, Silkie – Bearded, Plymouth Rock – Barred, Rhode Island Red – Single Comb, Cornish – White, Brahma, Old English Game - Black
  - \*Label parts of feed tag
  - \* Match 8 diseases with their symptoms: Avian Influenza, Bumblefoot, Coccidiosis, Fowl Pox, Marek's Disease, Mycoplasma Gallisepticum, Lice & Mites, Pullorum

- Seniors**  
(4-H ages 15 & over)
- \*Identify the parts of a chicken (hen)
  - \*Identify 9 chicken body types: Dorking, Cornish, Polish, Plymouth Rock, Modern Game, Rhode Island Red, Brahma, Cochin & Langshan
  - \*Identify from pictures the following 10 cuts of meat: liver, whole leg, breast quarter, neck, wing, thigh, back, drumstick, gizzard & boneless skinless breast

## DUCK SKILLATHON – See Supplemental Study Sheets from OSU Extension Office or website

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- All Ages
- \*Identify the parts of a duck
  - \*Identify 6 duck breeds: White Muscovy, Pekin, Grey Call, White Call, Gray Mallard, White Runner
  - \* Match 8 diseases with their symptoms: Avian Influenza, Bumblefoot, Coccidiosis, Duck Virus Enteritis, Duck Virus Hepatitis, Lice, Mites, Mycoplasma Gallisepticum

## GEESE SKILLATHON – See Supplemental Study Sheets from OSU Extension Office or website

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- All Ages
- \*Identify the parts of a goose
  - \*Identify 10 Goose breeds: Chinese Brown, Sebastopol, Gray Saddleback Pomeranian, White Tufted Roman, Pilgrim, Egyptian Brown, Brown African, Embden, Toulouse, American Buff
  - \*Put in order the 11 steps of showing a goose

## TURKEY SKILLATHON – See Supplemental Study Sheets from OSU Extension Office or website

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- All Ages
- \*Identify the parts of a turkey
  - \*Identify the wing feathers
  - \* Match 8 diseases with their symptoms: Avian Influenza, Blackhead, Blue Comb, Bumblefoot, Coccidiosis, Lice, Mites, Mycoplasma Gallisepticum

## RABBIT SKILLATHON

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- Juniors**  
(4-H ages 8-11)
- \*Identify all the parts of a rabbit - (Rabbit Resource Handbook, page 27)
  - \*Match 4 types of rabbit fur to their descriptions - (Rabbit Resource Handbook, page 30)
  - \*Identify 5 rabbit breeds from pictures: Californian, White New Zealand, Giant Angora, Rex and Netherland Dwarf - (Rabbit Resource Handbook, pages 12-26)
- Intermediates**  
(4-H ages 12-14)
- \*Identify all parts of a rabbit - (Rabbit Resource Handbook, page 27)
  - \*Identify 10 ailments from pictures: Sore Hocks, Ear Canker, Wry Neck, Weepy Eye, Snuffles, Mange, Vent Disease, Wound, Ringworm and Malocclusion - (See supplemental study sheet)
  - \*Identify rabbit conformation for tails/ears and hips/legs (See supplemental study sheet)
- Seniors**  
(4-H ages 15 & over)
- \*Identify parts of rabbit skeletal system – (Rabbit Resource Handbook, page 28)
  - \*Identify 5 rabbit body types - (Rabbit Resource Handbook, page 29)
  - \*Identify parts of rabbit digestive system – (Rabbit Resource Handbook, page 47)

## SHEEP SKILLATHON

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- Juniors**  
(4-H ages 8-11)
- \*Identify all the parts of a lamb (Sheep Resource Handbook page 11)
  - \*Identify 5 breeds: Suffolk, Dorset, Columbia, Rambouillet, and Cheviot. (S.R.H. pages 164-165)
  - \*Identify the 6 wholesale cuts: leg, loin, rack, shoulder, breast, foreshank. (S.R.H. page 81)
  - \*Know the difference between External and Internal Parasites (S.R.H., page 68)
- Intermediates**  
(4-H ages 12-14)
- \*Identify all the parts of a lamb.(Sheep Resource Handbook page 11)
  - \*Identify: depth of body, length of body, levelness of rump, length of hindsaddle, depth and fullness of leg (Sheep Resource Handbook page 13, figure 3)
  - \*Match health problems and preventions: Enterotoxemia, Internal Parasites, White Muscle Disease, Navel ill, Coccidiosis. (S.R.H. pages 68-70)
- Seniors**  
(4-H ages 15 & over)
- \*Identify parts of sheep skeletal system. (S.R.H. page 12)
  - \*Identify the parts of the digestive system (S.R.H page 49)
  - \*Identify feet and leg structures (S.R.H. page15)
  - \*Match 6 Lambing Problem with their proper picture (S.R.H., page 37)

## SWINE SKILLATHON

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- Juniors**  
(4-H ages 8-11)
- \*Identify all the parts of the hog. (Swine Resource Handbook page 3-2)
  - \*Identify the 5 wholesale cuts: ham, spareribs/belly, loin, picnic shoulder, shoulder butt. (S.R.H. page 5-3, bottom of page)
  - \*Identify parts of medication label (S.R.H. page 24-11)
  - \*Identify 7 breeds: Berkshire, Chester White, Duroc, Hereford, Landrace, Spotted, Yorkshire (S.R.H., pages 3-3 – 3-5)
- Intermediates**  
(4-H ages 12-14)
- \*Identify all the parts of a hog. (Swine Resource Handbook page 3-2)
  - \*Match 6 diseases with their symptoms: Atrophic Rhinitis, Erysipelas, Leptospirosis, Mycoplasma Pneumonia, Influenza, & Swine Dysentery (S.R.H pages 9:2 – 9:9)
  - \*Identify the parts of the Swine Digestive System. (Swine Resource Handbook page 7-1)
  - \*Label 8 feed samples: whole grain oats, trace mineralized salt, wheat middlings (bran), ground limestone, dicalcium phosphate, white salt, whole grain wheat, soybean meal (S.R.H. pg 8:8-8:10)
- Seniors**  
(4-H ages 15 & over)
- \*Identify the parts of the swine skeleton. (Swine Resource Handbook page 3-15)
  - \*Match 8 internal parasites to the description of the damage they cause in the hog: Threadworm, Large Roundworm, Whipworm, Nodular Worm, Stomach Worm, Lungworm, Kidney Worm, & Coccidiosis (S.R.H. pg. 9-12)
  - \*Identify internal anatomy of a healthy pig. (Swine Resource Handbook page 9-13)
  - \*Match proper needle length and gauge for intramuscular and subcutaneous injections (page 24-9)

