

Livestock Project

Member Name _____

Market Beef Market Swine Market Sheep Market Goat

Breeding Beef Breeding Swine Breeding Sheep Breeding Goat Dairy Goat

Level (*circle one*): Junior (8-10) Intermediate (11-13) Senior (14-18) Years in Project _____

Date of Birth _____ Age (*as of January 1*) _____ * Year _____

4-H Club _____

Beginning in 2017, Owyhee County will transition to using the new 4-H Lesson Plans rather than the CCS books. The Lesson Plans were developed by members of the UI Extension Meat Animal Task Force. Rather than a Leaders Guide, these are designed to be used with the Beef, Sheep, Swine and Goat Resource Handbooks as the supporting material. Copies of the Resource Handbooks are available in the Extension Office. We can provide copies of the pages you need or you can purchase a copy of one or more of the handbooks.

1. All individuals, regardless of age, should begin with Level 1.
2. Youth must complete at least 5 skills per year; at least one of these must be a Quality Assurance [QA] noted activity.
3. A minimum of 15 different skills should be completed before advancing to the next level.
4. Older youth just entering the (species) project are encouraged to move through Levels 1 and 2 at an accelerated rate to enhance their overall 4-H career learning experience.
5. *** Please use a NEW State and Owyhee County checklist (pages 1-2) each year.**
6. **To provide a cumulative record of your progress, submit updated checklists of Levels 1-3 (pages 3-5) each year with your record book.**

If you have any questions or would like to order a Resource Handbook, please contact the Extension Office at 208-896-4104 or owyhee@uidaho.edu.

√	State and Owyhee County Requirements (This section should be completed every year.)	Notes	Date Completed	Leader Initials
	Choose animal(s) for your project.		___/___/___	
	Individually identify each animal with an ear tag	Market animals are tagged at initial county weigh-in (ear tags are provided)	___/___/___	
	Weigh and provide primary care for all animals on a uniform county feeding period	Initial weigh-in (typically held at Homedale, Oreana, Rimrock, Jordan Valley)	___/___/___	
	Provide one or more forms of positive ownership for each project animal for at least the minimum number of required days of ownership	Owyhee County 4-H/FFA Bill of Sale form is REQUIRED	___/___/___	
	Give an oral presentation or illustrated talk related to this project.	This may be done on the club or county level. It MUST be done on the county level to qualify for the Outstanding Livestock Exhibitor Award.	___/___/___	
	Complete a 4-H Involvement Report (just one combined report for ALL projects) and include with your Record Book	You may start a new report or add to your report from previous years.	___/___/___	
	Complete 4-H Animal Record Book	Record Book and Oral Interview scores count toward the Outstanding 4-H Livestock Exhibitor Award	___/___/___	
	Breeding Projects ONLY: Complete Permanent Individual Animal Record	Include in your record book	___/___/___	
	Attend a livestock clinic (Clinics other than District 4H Clinics must be pre-approved by the Extension Office.)	This is REQUIRED to qualify for the Outstanding Livestock Exhibitor Award.	___/___/___	
	Any supplemental forms required at the county level.	Enroll at 4honline.com and pay your enrollment fee to your leader by March 1	___/___/___	
	<i>Though not required, each member is strongly encouraged to participate in a livestock judging contest.</i>	This is REQUIRED to qualify for the Outstanding Livestock Exhibitor Award.	___/___/___	
	Exhibit your completed Record Book			
	Display performance data on exhibit or stall card.	Stall cards are provided to your club leader at the meeting prior to Fair	___/___/___	
	Exhibit one of your project animals in a Beef Fitting and Showing class. Breeding Projects ONLY: Have project animal evaluated at a county Extension approved show, exhibition, or field day.	Most exhibit/show at the Owyhee Co. Fair. You may do so at another location; however, <u>If you intend to sell at our Fair or qualify for the Outstanding Livestock Exhibitor Award, you must exhibit/show at the Owyhee County Fair.</u>	___/___/___	
	Participate in at least one Community Service Project	Must be done in Owyhee County.	___/___/___ ___/___/___	

Requirements for Outstanding 4-H Livestock Exhibitor Award are outlined in bold. Please review the fair book or check with the Extension Office for more info.

I declare that the information in this book is correct and all 4-H requirements have been completed, to the best of my knowledge.

Member's Signature _____ Date _____

Parent's Signature _____ Date _____

Leader's Signature _____ Date _____

	LEVEL 1		Date Completed	Leader Initials
	Describe the basic facilities (housing, pen space & equipment) needed to safely raise your project animal(s)		___/___/___	
	Develop a basic (species) project plan (including income, expenses and facilities)		___/___/___	
	Describe the reason to provide livestock bedding for your animal		___/___/___	
	Identify at least 20 parts of the animal within your project species		___/___/___	
	Define the following terms: purebred, crossbred, conformation, carcass		___/___/___	
	Describe the following animal selection traits: muscling, trimness, growth & frame, structure & balance and why they are important.		___/___/___	
	Explain the difference between a roughage, concentrate and supplement.		___/___/___	
	List the six basic classifications of nutrients		___/___/___	
	Explain why it is important to have a fresh, clean source of water.		___/___/___	
	Explain the purpose of a feed label.		___/___/___	
	List the two types of digestive systems found in most domestic farm animals.		___/___/___	
	Describe what average daily gain and feed efficiency are.		___/___/___	
	Describe at least 5 symptoms/behaviors of a healthy animal		___/___/___	
	Explain what external and internal parasites are.		___/___/___	
	Prepare a list of livestock equipment & supplies needed at a Fair		___/___/___	
	Demonstrate appropriate safety precautions while properly grooming & showing your animal(s).		___/___/___	
	Prepare a thank you card to be used to thank a sponsor		___/___/___	
QA	Conduct a safety evaluation of your livestock facilities; report any changes needed/made to promote animal well-being		___/___/___	
QA	Explain how a veterinarian can help you keep your animal healthy.		___/___/___	
QA	Describe where vaccinations should be given on your animal		___/___/___	
QA	Name 3 things you can do to minimize parasites on/in your animal.		___/___/___	
QA	Define medication withdrawal time.		___/___/___	
QA	Define the following terms: ethics, sportsmanship, quality assurance		___/___/___	
QA	Describe what an animal by-product is		___/___/___	

	LEVEL 2		Date Completed	Leader Initials
	Explain impact of temperature extremes (hot & cold), wind and humidity on livestock performance		___/___/___	
	Describe what steps can be taken to minimize odors from manure.		___/___/___	
	Identify at least 3 problems created by insufficient air circulation within livestock facilities.		___/___/___	
	Describe the difference between a dominant and recessive gene.		___/___/___	
	Explain what a crossbreeding program is and why would it be used.		___/___/___	
	Identify heat detection methods used for your species of animal.		___/___/___	
	Identify at least 5 locations used to estimate the degree of muscling and/or degree of finish.		___/___/___	
	Describe the industry standards for your species of animal.		___/___/___	
	Evaluate, rank and give reasons on a class of four animals		___/___/___	
	Describe how nutritional requirements vary based on animal's stage of growth or production.		___/___/___	
	List at least 7 pieces of information found on a feed tag.		___/___/___	
	Describe the differences between a monogastric and ruminant digestive system.		___/___/___	
	Demonstrate how to calculate average daily gain and feed efficiency.		___/___/___	
	List 7 symptoms that might indicate your animal is sick		___/___/___	
	Explain the difference between a vaccination and a medication		___/___/___	
	List at least 3 internal and 2 external parasites common to your animal.		___/___/___	
	Demonstrate proper grooming and showmanship techniques for younger members in your group.		___/___/___	
	Describe the difference between wholesale and retail cuts of meat		___/___/___	
	List the applicable USDA Quality and/or Yield Grades for your species		___/___/___	
	Demonstrate how to use a carcass grid and/or probe in taking carcass measurements		___/___/___	
	Name the six pillars of characters		___/___/___	
	List 10 examples of by-products derived from your species of animal.		___/___/___	
QA	Describe 5 things producers can do to minimize stress when handling animals.		___/___/___	
QA	Describe the difference between a "caution" and "warning" on a feed tag.		___/___/___	
QA	Describe a valid Veterinary-Client-Patient relationship.		___/___/___	
QA	List at least 6 pieces of information found on a medication label.		___/___/___	
QA	Describe why it is important to follow medication withdrawal times		___/___/___	

	LEVEL 3		Date Completed	Leader Initials
	Explain the roles of estrogen, FSH, LH and progesterone in male & female reproductive physiology.		___/___/___	
	Define heritability and how it is used in breeding management decisions.		___/___/___	
	Identify the parts of the species female and male reproductive tracts.		___/___/___	
	Describe what artificial insemination and embryo transfer is and why producers might use them.		___/___/___	
	Explain why structural soundness is critical in both breeding and market animals; list 5 common structural defects within your species.		___/___/___	
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	List the 10 essential amino acids.		___/___/___	
	Name in order the four compartments within the ruminant stomach; explain how roughages are broken down within that system.		___/___/___	
	Explain why average daily gain and feed efficiency are critical factors for successful livestock production operations.		___/___/___	
	Describe the physical and economic impacts that parasites have on animal production.		___/___/___	
	Give a marketing/sales presentation (including buyer recruitment, appropriate thank you notes, etc.) at a club/project meeting		___/___/___	
	Name all the wholesale cuts of meat for your project animal species.		___/___/___	
	Explain how the USDA Quality and/or Yield Grades for your species are determined.		___/___/___	
	Identify 4 examples of unethical behavior; explain why each is wrong and what you think the consequences should be for someone doing that.		___/___/___	
	Track weekly market prices for US No 1 hogs, choice lambs or choice/yield grade 3 steers. Plot this information on a graph.		___/___/___	
	Develop a balanced ration for your project animal species.		___/___/___	
	Prepare/give a 7-10 minute presentation on nutrition at your club or group meeting		___/___/___	
	Prepare/give a 7-10 minute presentation on health care at your club or group meeting		___/___/___	
	Prepare/give a 7-10 minute presentation on genetics at your club or group meeting		___/___/___	
	Prepare/give a 7-10 minute presentation on reproduction at your club or group meeting		___/___/___	
	Prepare/give a 7-10 minute presentation on ethics education at your club or group meeting		___/___/___	
	Prepare/give a 7-10 minute presentation on related career opportunities at your club or group meeting		___/___/___	
QA	Name and describe at least four common routes of administering a health care product.		___/___/___	
QA	Describe the preferred method of administering a vaccine (if not specified) and why it is preferred.		___/___/___	
QA	Name at least 8 items that should be listed on an animal treatment record.		___/___/___	
QA	Explain the differences between "extra-labelled" and "off-labelled" use of medications or vaccines.		___/___/___	
QA	Prepare/give a 7-10 minute presentation on meat quality at your club or group meeting		___/___/___	
QA	Prepare/give a 7-10 minute presentation on quality assurance practices at your club or group meeting		___/___/___	