

New Mexico 4-H is a program Of New Mexico State University's Cooperative Extension Service



SPECIE: Beef			
LE	EVEL: <u>I</u> – NAME: <u>Layman</u>	Date Passed: Approved By:	
1.	ill Options: (Choose 10) Name, correctly spell and identify the different be Name, correctly spell and identify the wholesale	* *	
	. Visit the meat counter of a local grocery store and examine the different cuts of the beef.		
5.	Demonstrate how to catch, halter and lead a calf Demonstrate how to wash a calf. Give an oral report on what, how much, when, a		
8. 9.	you feed. Demonstrate how to correctly brush a calf. Demonstrate how to properly set up a calf with a showstick. Name three ways in which cattle are useful to man.		
	10. Explain what facilities and equipment are needed to raise cattle. How do breeding cattle facilities differ from those needed by market cattle?		
12.	Weigh your calf. Explain safety procedures when working around		
1. 2.	rsonal Development Options: (Fill in options for Give a demonstration or illustrated talk to your or Bring your project record books up to date.	lub	
<u>Cit</u> 1.	tizen's Pride Options: (Fill in options from pag		
Re	source Material and Persons:		
1. 2. 3. 4. 5.	 4-H Manual County Extension Personnel Extension Livestock Specialist Cov 	erinarians v Mexico Brand Inspector v / Calf Handbook - County Extension Office yclopedia	

SPECIE: Beef			
	CVEL: <u>II – NAME: Novice</u>	Date Passed:	Approved By:
	ill Options: (Choose 10)		
1.	Name, and describe the color pattern, size, purposes and		
	place of origin of six breeds of cattle.		
2.	Name the nutrients that are essential in cattle rations and		
	a source of each one.		
3.	Write a report on various cattle feeds available in your area (150 word minimum).		
4.	Clip the head and belly of your project.		
	Make a rope halter.		
	Name the most common external parasites that affect cattle and explain methods of control.		
7	Visit a feedlot.		
	Demonstrate how to make a calf back up.		
	Describe the proper dress for showing cattle. What items		
<i>)</i> •	would be inappropriate?		
10	Correctly spell and define the following terms: Bos indicus,		
10	Bos taurus, carcass, estrus, pedigree.		
11	Outline the brand & transportation regulations in		
	New Mexico.		
12	How many cattle are there in New Mexico? US? World?		
10	·		
Pe	rsonal Development Options: (Fill in options from page 7.)		
	Give a demonstration or illustrated talk that is at least five		
	minutes long to your club.		
2.	Bring your project record books up to date.		
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Ci	tizen's Pride Options: (Fill in options from page 8.)		
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	ECIE: <u>Beef</u> VEL: <u>III</u> – NAME: <u>Apprentice</u>	Date Passed: Approved By:
Sk	ill Options: (Choose 10)	
	Write a report on the history of cattle.	
	(200 word minimum).	
2.	Teach your calf to stand still while the lead is dropped.	
	Demonstrate this skill.	
3.	Formulate a balanced ration for each of the following:	
	growth, finishing, lactation.	
4.	Explain basic showmanship rules.	
5.	Describe at least three external parasites of cattle and tell	
	how to control them.	
6.	Demonstrate proper methods of storing medications,	
	sterilizing equipment, filling syringes, and administering	
	vaccinations. Include safety precautions.	
7.	What vaccinations are given to cattle? Why?	
8.	Place a class of four cattle and give a set of oral reasons.	
9.	Visit a packing plant.	
10.	Explain the purpose of breed and industry associations.	
11.	Demonstrate how to control cattle grubs and detail the life	
	cycle of the heel fly.	
12.	Explain what equipment you need to take to a fair.	
13.	·	
Pe	rsonal Development Options: (Fill in options from page 7.)	
1.	Give a fifteen minute demonstration or illustrated talk to	
	your club or another group.	
2.	Bring your project record books up to date.	
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Ci ₁	tizen's Pride Options: (Fill in options from page 8.)	
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SPECIE: Beef		
LE	VEL: <u>IV</u> – NAME: <u>Junior Livestockman</u>	Date Passed: Approved By:
	ill Options: (Choose 10)	
1.	Calculate feed costs / year, cost of feed / lb. of gain, feed	
	efficiency and average daily gain.	
2.	Completely groom your project.	
3.	Demonstrate dressing procedures for a show.	
4.	Demonstrate branding.	
5.	Demonstrate tatooing.	
6.	Explain the purpose of Quality and Yield Grading. List the	
	factors and demonstrate how they are calculated.	
7.	Write a report on the different methods of cooking and	
	serving beef (250 word minimum).	
8.	What is the gestation length of cattle? Length of estrus?	
	Length of time between heat periods?	
9.	Diagram and describe the ruminant digestive system.	
10.	Correctly spell and define the following terms: chromosome,	
	heritability, genotype, phenotype, inbreeding, linebreeding,	
	crossbreeding, progeny, and hybrid vigor.	
11.	Enter a showmanship contest.	
	Write a report on different methods of marketing cattle.	
	(250 word minimum)	
13.	·	
Pe	rsonal Development Options: (Fill in options from page 7.)	
1.	Prepare a five minute speech related to your beef project	
	and present it to a group other than your club.	
2.	Bring your project record books up to date.	
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Cit	tizen's Pride Options: (Fill in options from page 8.)	
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SP	ECIE: Beef	
	VEL: <u>V</u> – NAME: <u>Senior Livestockman</u>	Date Passed: Approved By:
Sk	ill Options: (Choose 10)	
1.	Diagram and describe the male and female bovine	
	reproductive tracts.	
2.	Demonstrate dehorning.	
3.	Demonstrate castration.	
4.	Write a report on one hormone and its' functions.	
	(300 word minimum)	
5.	Explain two types of crossbreeding programs.	
6.	Identify the retail cuts of beef.	
7.	Explain how to read a pedigree.	
8.	Explain how semen is evaluated.	
9.	Explain the purpose, advantages, and disadvantages of A.I.	
10.	Attend a livestock auction.	
11.	Predict the Quality and Yield Grades of five head of	
	slaughter and five head of feeder cattle.	
12.	Outline the differences between cow-calf and stocker	
	management systems.	
13.	·	
	rsonal Development Options: (Fill in options from page 7.)	
1.	Prepare a five minute speech not related to your 4-H	
	projects and present it to any group.	
2.	Bring your project record books up to date.	
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<u>Ci</u>	tizen's Pride Options: (Fill in options from page 8.)	
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SP	ECIE: Beef	
LI	EVEL: VI – NAME: 4-H Animal Scientist	Date Passed: Approved By:
CI.	211 O-2 (Channa 10)	
	ill Options: (Choose 10)	
Ι.	Write a report on the sources, functions, and deficiency	
_	symptoms of vitamins and minerals (500 word minimum).	-
	Demonstrate hoof trimming.	
3.	Name five common cattle diseases, their causitive	
	organisms, symptoms, treatments and prevention.	
	Write a report on genetics (300 word minimum).	
5.	Organize a beef promotional activity.	
6.	Prepare a display promoting beef.	
7.	Calculate weaning weight ratio, adjusted 205 day weaning	
	weight, yearling weight ratio and Most Probable Producing	
	Ability (MPPA). Explain the importance of each in a	
	breeding program.	
8.	Explain what happens to feed after it is digested.	
	What are five ways you can improve your beef program?	
	Construct a plan based upon two of the ways and carry it	
	out.	
10	Study five careers related to the beef industry. List the	
- 0	advantages and disadvantages of each.	
11	Explain selection criteria for market steers, replacement	
11	heifers and bulls.	
12	Explain how market prices for beef are determined.	
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13	·	
D۵	rsonal Development Options: (Fill in options from page 7.)	
	Bring your project record books up to date.	
	Bring your project record books up to date.	_
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C;	tizen's Pride Options: (Fill in options from page 8.)	
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PERSONAL DEVELOPMENT OPTIONS: (Choose different options for each level.)

- 1. Lead the Pledge of Allegiance and 4-H Pledge at a meeting.
- 2. Preside at a meeting.
- 3. Lead a song or game at a meeting.
- *4. Write a news story for a local paper.
- 5. Write a column for your club's newsletter.
- *6. Participate in a radio program.
- *7. Participate in a television program.
- 8. Serve as chairman of a committee.
- *9. Participate in a judging or evaluation contest.
- *10. Serve as a Junior Leader.
- *11. Serve as a Teen Leader.
- 12. Attend a 4-H camp.
- 13. Be a Teen Counselor at camp.
- 14. Serve as clerk, chairman or ring steward at a show.
- 15. Develop a display, which is related to 4-H.
- 16. Make arrangements for a tour by your club.
- 17. Arrange for a film to be shown at your club meeting.
- 18. Secure a speaker for a club meeting.
- 19. Participate in Achievement Day.
- 20. Plan a function for your club separate from a regular meeting.
- 21. Give a demonstration to your 4-H Club or other group on a topic unrelated to your project.
- 22. Prepare a scrapbook of your 4-H activities.
- 23. Serve as a host for a 4-H meeting. Make arrangements for refreshments.
- 24. Attend a livestock tour or field day and give a report at your club meeting.
- 25. Set 4-H, educational and career goals for yourself. Write them down.
- *26. Develop some options of your own with your leader's approval.

^{*}These may be repeated in different levels.

<u>CITIZEN'S PRIDE OPTIONS:</u> (Choose different options for each level.)

- *1. Prepare a display that would be educational or helpful in stressing:
 - A. Clean air, water or land
 - B. Conservation of natural resources
 - C. Safety
- *2. Organize a club community service project.
- *3. Participate in a club community service project.
- 4. Do something to physically improve your neighborhood.
- *5. Do a chore for someone who needs help.
- 6. Organize a clean-up committee for helping to keep your school and school grounds clean.
- 7. List the safety hazards you see around your house or neighborhood.
- 8. Design an escape plan for the members of your family in case your house should catch on fire.
- 9. Make a poison safety check in your own home.
- 10. Visit a hospital, clinic or nursing home. What can you do to help with the welfare of those you visited? Make a plan and carry it out.
- *11. Personally collect clothing or canned goods for the needy.
- 12. Obtain and paint public trash receptacles.
- 13. Help to plant trees, shrubbery, or flowers around churches, community buildings and/or public places.
- 14. Conduct a home energy conservation survey in three homes.
- 15. Interview a leader or member of a religious denomination that is unfamiliar to you.
- 16. Make a toy for the nursery in your place of worship.
- 17. Sing in a youth choir.
- 18. Write a letter to the editor of your newspaper (attach a copy to your 4-H record).
- 19. Attend a city or county court hearing while it is holding trial by jury.
- 20. Interview a public official to see what they do.
- 21. Tour your city hall or courthouse.
- 22. Run for a school, class or club office. Develop your platform and run your campaign.
- 23. Invite your state representative to speak to your 4-H club or county 4-H group.
- 24. Read a daily newspaper everyday for 5 days. Make a list of current problems affecting New Mexico and the United States. Decide what you can do to help solve those problems. Make a plan of action and carry out that plan.
- *25. Develop some options of your own with your leader's approval.

^{*}These may be repeated at different levels.

		has completed all requirements for
	(Name)	
Level	_ of the	Advancement Program.
(No.)	of the(Type in Specie)	
Approved by:		
	Club Leader	Date
	Advancement Committee	Date
This certifies that _	(Name)	has completed all requirements for
Level(No.)	_ of the(Name of Specie)	Advancement Program.
Approved by:		
лрргочей бу.	Club Leader	Date
	Advancement Committee	Date



College of Agricultural, Consumer and Environmental Sciences

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