

THE OHIO STATE UNIVERSITY EXTENSION

Seneca County Junior Fair Skillathon

STUDY GUIDE C - BEEF

TOPICS/ RESOURCES	RESOURCE MANUAL	BEGINNER LEVEL (8-11)	INTERMEDIATE LEVEL (12-14)	ADVANCED LEVEL (15-18)
Characteristics & Identification	Ch. 2, 11	Identify breeds of beef and dairy beef cattle, and external anatomy parts.	Identify breeds and characteristics of beef and dairy beef cattle. Identify external anatomy parts and structural differences.	Identify breeds of beef and dairy beef cattle, and their characteristics. Identify external and skeletal anatomy, including structural differences.
Safety & the Public	Ch. 4, 14	Understand flight zones and how to interact with the public regarding beef cattle.	Understand flight zones, zoonotic diseases and public interactions involving beef cattle.	Understand safety and public relation concerns regarding your beef cattle project.
Reproduction & Genetics	Ch. 6	Understand the basics of the male and female reproductive systems, and mating systems. Understand the basics of genetics.	Identify parts of the male and female reproductive systems, and signs of estrus. Understand genetics and gene inheritance.	Identify male and female reproductive parts, signs of estrus and understand calving difficulties. Understand genetics, pedigrees and EPDs.
Nutrition & Digestion	Ch. 7	Identify the 5 categories of nutrients and how to read a feed label.	Understand nutrients and how to read feed labels. Classify feed ingredients into nutrient groups.	Understand rations, Pearson's Square and reading labels. Identify feeding requirements at different stages, including body condition.
Environmental Stewardship	Ch. 13	Understand environmental concerns in beef production.	Understand air and water quality concerns in beef production, and proper manure management.	Identify and understand issues involved in the beef industry related to public relations, air quality and water quality.
Equipment	<i>There will not be an equipment station this year.</i>			