

# THE OHIO STATE UNIVERSITY EXTENSION

## Seneca County Junior Fair Skillathon

### STUDY GUIDE A - SWINE

TOPICS/ RESOURCES	RESOURCE MANUAL	BEGINNER LEVEL (8-11)	INTERMEDIATE LEVEL (12-14)	ADVANCED LEVEL (15-18)
Meat Science & By-Products	Ch. 4, 5	Understand food service cuts of pork and location on the animal.	Identify retail and food service cuts of pork. Calculate dressing percent.	Identify retail and food service cuts of pork. Understand pork carcass evaluation & quality.
Nutrition & Animal Care	Ch. 8	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.	Identify feed based on photos and descriptions. Understand nutrient requirements at stages of growth.
Health & Treatment	Ch. 9, 24	Understand differences in infectious diseases and internal/external parasites. Identify sites of injections and understand medication labels.	Identify diseases and parasites. Understand herd health management. Understand injections, medication labels and withdrawal periods.	Identify diseases and parasites. Understand herd health management. Interpret medication/feed labels and understand medication administration.
Pedigrees & Reproduction	Ch. 15, 16, 18	Identify parts of a sow and boar. Identify parts of a pedigree. Understand signs of heat and characteristics of swine reproduction.	Understand parts of a sow and boar. Interpret a pedigree. Understand heat detection in gilts and sows, and the AI process.	Understand the sow and boar reproductive system. Interpret a pedigree and EPDs. Understand heat detection in gilts and sows, and the process of AI.
Equipment	Ch. 1 - 25	Identify and understand the purpose of the following equipment: Breeding Rod, Castration Knife, Creep Feeder, Clippers, Cup Waterer, Ear Hole Punch, Ear Notching Tool, Farrowing Crate, Hurdle, Nipple Waterer, PVC Waterer, Scale, Self-feeder, Side Cutter, Snare, Sprayer, Stiff Brush, Syringe, Tagger, Tank Waterer, Ultrasound Machine, Whip		