2026 SKILLATHON
JUNIOR STUDY GUIDE

Below are topics/subject areas to help you prepare for the Skillathon.

Industry Knowledge:

- State and federal leadership
- Oklahoma's top livestock production sectors
- Oklahoma Youth Expo leadership and history

Animal Species (Cattle, Swine, Sheep, and Goats):

- Basic equipment
- Basic anatomy
- Genders
- Gestation periods
- Estrus cycles
- Average body temperatures
- Animal husbandry practices following birth
- General livestock definitions
- Common external parasites
- Breeds
- Hormones

Meat Science:

- Basic definitions (i.e. marbling, shrink, carcass merit)
- Yield grades
- Quality grades
- Primal cuts of beef
- Retail cuts of meat
- Byproducts/variety meats

Nutrition:

- Types of feed
- Diets
- Toxic minerals
- Essential nutrients
- Body Condition Scores
- Basic definitions (i.e. Average Daily Gain, Total Digestible Nutrients, etc.)

Biosecurity:

- PPE and common equipment
- Basic biosecurity practices and protocols
- (Resource: https://www.cfsph.iastate.edu/secure-food-supply/)