

# *KJCA FALL CLASSIC*

## *BEEF SCHOLARS SKILL-A-THON*

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### **General Information**

The Beef Scholars Skill-a-thon is comprised of six beef industry contest classes; Carcass Breakdown, Retail Meat Cut Identification, Breeding and Genetics, Livestock Feeding, Cattle Handling and Care, and Cattle Handling Equipment. Each division will have a separate test. Scores are recorded on the exhibitor's score sheet by each judge, and entered into a computer program that calculates each youth's placing. Winners are announced at the awards ceremony.

Senior division - 17 years of age and up  
Questions - 90  
Time - 1 hour

Junior Division – 9-12 years of age  
Questions - 30  
Time - 1 hour

Intermediate division – 13-16 years of age  
Questions - 60  
Time - 1 hour

Novice Division – 8 years of age and under  
Questions - 10  
Time - 1 hour

### **Carcass Breakdown**

The Carcass Breakdown portion of the Beef Scholars exam asks the individual to identify and label the amount of meat that can result from each primal and sub primal beef cut.

#### **Links:**

➤ How Much Meat to Expect from a Beef Carcass

<https://extension.tennessee.edu/publications/Documents/PB1822.pdf>

### **Retail Meat Cut Identification**

The Retail Meat Cut Identification portion of the Beef Scholars exam will ask the individual to identify from photographs the uniformly accepted name of beef retail cuts.

#### **Links:**

➤ Beef Retail Cut Chart:

[http://askthemeatman.com/images/new\\_beef\\_poster\\_jan\\_2014.jpg](http://askthemeatman.com/images/new_beef_poster_jan_2014.jpg)

## **Breeding and Genetics**

The Breeding and Genetics portion of the Beef Scholars exam will test the individual on elements of beef cattle breeding technologies as well as reproduction features and fertility traits commonly found in beef cattle.

### **Links:**

➤ Beef Cow Synch Protocols: *You will be tested on the Select Synch and Time AI protocol.*

<http://www.selectsiresbeef.com/index.php/beefresources/synrho/cowsynch>

➤ Expected Progeny Difference (EPD) and Scenarios: *You will be asked to select bulls based on their EPD's.*

[https://www.cals.ncsu.edu/an\\_sci/extension/animal/4hyouth/Livestock%20Judging/usingepd.html](https://www.cals.ncsu.edu/an_sci/extension/animal/4hyouth/Livestock%20Judging/usingepd.html)

➤ Artificial Insemination in Cattle: *You will be asked a series of questions concerning Artificial Insemination collecting, storing, handling, and administration.*

[http://www.ellsworth.k12.wi.us/Classroom/Teacher/Jordan-](http://www.ellsworth.k12.wi.us/Classroom/Teacher/Jordan-Liethen/Class%20Resource/Animal%20Science/Artificial%20Insemination,%20An%20Overview.pdf)

[Liethen/Class%20Resource/Animal%20Science/Artificial Insemination, An Overview.pdf](http://www.ellsworth.k12.wi.us/Classroom/Teacher/Jordan-Liethen/Class%20Resource/Animal%20Science/Artificial%20Insemination,%20An%20Overview.pdf)

## **Livestock Feeds and Feeding**

The Livestock Feeds and Feeding portion of the Beef Scholars exam will test the individual on chemical composition of feedstuffs, requirements of beef cattle, utilization of nutrients, and formulating and balancing rations.

### **Links:**

➤ Feeding the Cow Herd: *You will be asked a series of questions on cattle feeding, specifically essential nutrients, classification of feeds, nutrient requirements, and body conditioning.*

<http://www2.ca.uky.edu/agcomm/pubs/id/id108/07.pdf>

➤ Average Daily Gain Equations: *You will be asked a series of questions using ADG and F/G equations.*

<http://www.ag.auburn.edu/~schmisp/ansc1000/practice-probs-adg-fe.pdf>

## **Cattle Handling and Care**

The Cattle Handling and Care portion of the Beef Scholars exam will test the individual on the best management practices that certified producers follow, ranging from feedstuffs and preventive health programs to proper handling and care of the beef animal.

### **Links:**

➤ Cattle Care & Handling Guidelines: *You will be asked a series of questions on cattle handling, specifically disease prevention, health care, identification, housing, transportation, and euthanasia.*

[http://www.bqa.org/Media/BQA/Docs/cchg2015\\_final.pdf](http://www.bqa.org/Media/BQA/Docs/cchg2015_final.pdf)

## **Cattle Handling Equipment**

The Cattle Handling Equipment portion will ask the individual to identify the proper name and use for pieces of equipment used in livestock production. (Equipment will be provided.)

### **Links:**

➤ Neogen's Animal Safety Catalog: *You will be asked to identify the proper name and use for pieces of equipment used in **beef** livestock production*

<http://animalsafety.neogen.com/en/cattle>