Meats Technology CDE

Compiled by Jonathon M. Hogge, Agriculture Instructor
Rigby High School
May, 2008

Career Development Purpose and Objectives:

Purpose:

To create interest and promote understanding in meat science by providing opportunities for
recognition through the demonstration of skills and proficiencies.

Objectives:

To develop employment skills for students who are interested in exploring or pursuing career opportunities in the meat industry.

To assist the local agricultural education instructor in motivating students to become knowledgeable consumers of meat and meat animal products and/or involved in the industry of meat animal marketing and merchandising.

To encourage the development of broader analytical skills, critical thinking strategies and an understanding of appropriate meat terminology for high school students.

To develop the ability to evaluate meat animal products in order to optimize economic returns to producers and industry as well as to meet the needs of the consumer.

Related Content Standards – Humanities:

<u>Standard 1</u>: Acquisition and use of language

Goal 1.1: Listening

7-12.WL1.1.1.1 Comprehend basic vocabulary in isolation and in context.

7-12.WL1.1.1.2 Capture essential information from everyday conversations and short passages (e.g., cognates, context clues).

Goal 1.2: Speaking

7-12.WL1.1.2.1 Use basic vocabulary to respond to familiar prompts.

7-12.WL1.1.2.2 Express preferences, desires, opinions, and feelings.

7-12.WL1.1.2.3 Use appropriate level of politeness in simulated social exchanges.

Goal 1.3: Reading

7-12.WL1.1.3.1 Decode written text, diacritical marks, and symbolic systems.

Standard 2: Critical Thinking

Goal 2.1: Analysis of Language Elements and Products

7-12.WL1.2.1.2 Derive meaning from word order.

Related Content Standards – Language Arts:

Related Content Standards – Mathematics:

8-9 Grade Math

Standard 1: Number and Operation

Goal 1.1: Understand and use numbers.

9.M.1.1.2 Use positive and negative numbers, absolute value, fractions, decimals, percentages, and scientific notation, including application in real world situations. (347.01.a)

9.M.1.1.5 Solve problems using number theory concepts (factors, multiples, primes). (347.01.d)

Goal 1.2: Perform computations accurately.

9-10.M.1.2.1 Use the order of operations and perform operations with rational numbers. (347.02.a)

Goal 1.3: Estimate and judge reasonableness of results.

9-10.M.1.3.1 Apply number sense to everyday situations and judge reasonableness of results. (347.03.a

9-10.M.1.3.2 Identify that error accumulates in a computation when there is rounding. (349.05.b)

Goal 2.2: Apply the concepts of rates, ratios, and proportions.

9-10.M.2.2.1 Use rates, ratios, proportions, and map scales in problem-solving situations. (349.03.a)

9-10.M.2.2.2 Apply concepts of rates and direct and indirect measurements.

9-10.M.2.2.3 Construct equivalent units, comparable units, and conversions. (349.02.a)

Goal 2.3: Apply dimensional analysis.

9-10.M.2.3.1 Use customary and metric units and their relationship to one another and to real world applications involving length, area, capacity, weight, time, and temperature. (349.04.a)

Goal 2.4: Apply appropriate techniques and tools to determine measurements.

9.M.2.4.1 Determine and use appropriate units. (349.01.a)

9.M.2.4.2 Approximate error in measurement situations.

Related Content Standards – Science:

9th Grade - Biology:

Standard 1: Nature of Science

Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills

9-10.B.1.6.2 Utilize the components of scientific problem solving to design, conduct, and communicate results of investigations. (649.01b)

9-10.B.1.6.4 Formulate scientific explanations and models using logic and evidence. (649.01d)

9-10.B.1.6.5 Analyze alternative explanations and models. (649.01e)

9-10.B.1.6.6 Communicate and defend a scientific argument. (649.01f)

8-9 Grade Earth Science

<u>Standard 1</u>: Nature of Science

Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills

8-9.ES.1.6.1 Identify questions and concepts that guide scientific investigations. (649.01a)

8-9.ES.1.6.2 Utilize the components of scientific problem solving to design, conduct, and communicate results of investigations. (649.01b)

8-9.ES.1.6.3 Use appropriate technology and mathematics to make investigations. (649.01c)

8-9.ES.1.6.4 Formulate scientific explanations and models using logic and evidence. (649.01d)

8-9.ES.1.6.5 Analyze alternative explanations and models. (649.01e)

8-9.ES.1.6.6 Communicate and defend a scientific argument. (649.01f)

8-9.ES.1.6.7 Explain the differences among observations, hypotheses, and theories. (649.01g)

Goal 1.8: Understand Technical Communication

8-9.ES.1.8.1 Analyze technical writing, graphs, charts, and diagrams. (658.02a)

Related Content Standards – Social Studies Economics: