

Farm Business Management CDE

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

Career Development Purpose and Objectives:

Purpose:

To provide a competition that fosters information assimilation, critical thinking, and problem solving skills necessary to successfully manage a farm or pursue a farm business management career. The event enhances and encourages opportunities for all participants to receive instruction that develops farm business management skills.

Objectives:

The event objectives are for participants to demonstrate their ability to: Analyze farm/ranch business management information. Apply economic principles and concepts of farm business management to the decision making process.

Related Content Standards – Humanities:

Standard 1: 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:

9th Grade Math

Standard 1: Number and Operation

Goal 1.1: Understand and use numbers

9.M.1.1.1 Apply properties of rational numbers. (347.01.b)

9-10.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.1.1.3 Apply properties of exponents. (347.01.c)

9.M.1.1.4 Identify exact and approximate roots without simplification.

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

9-10.M.1.1.6 Use appropriate vocabulary.

Goal 1.2: Perform computations accurately.

9.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.M.1.3.1 Apply number sense to everyday situations and judge reasonableness of results.

(347.03.a)

9.M.1.3.2 Identify that error accumulates in a computation when there is rounding.

(349.05.b)

Goal 2.3: Apply dimensional analysis.

9.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.

10 Grade Math

Goal 4.5: Use reasoning skills.

10.M.4.5.1 Use logic to make and evaluate mathematical arguments. (348.02.b)

Related Content Standards – Science:

8-9 Grade Earth Science

Standard 1: 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)

Goal 5.1: Understand Common Environmental Quality Issues, Both Natural and Human Induced

8-9.ES.5.1.1 Analyze environmental issues such as water and air quality, hazardous waste, and depletion of natural resources. (656.01a)

Goal 5.2: Understand the Relationship between Science and Technology

8-9.ES.5.2.1 Explain how science advances technology. (655.01a)

8-9.ES.5.2.2 Explain how technology advances science. (655.01a)

8-9.ES.5.2.3 Explain how science and technology are pursued for different purposes. (655.01b)

Goal 5.3: Understand the Importance of Natural Resources and the Need to Manage and Conserve Them

8-9.ES.5.3.1 Describe the difference between renewable and nonrenewable resources. (656.03a)

9-10 Grade Biology

Goal 1.1: Understand Systems, Order, and Organization

9-10.B.11.1 Explain the scientific meaning of system, order, and organization. (648.01a).

9-10.B.1.1.2 Apply the concepts of order and organization to a given system. (648.01a)

Goal 1.3: Understand Constancy, Change, and Measurement

9-10.B.1.3.1 Measure changes that can occur in and among systems. (648.03b)

9-10.B.1.3.2 Analyze changes that can occur in and among systems. (648.03b)

Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills

9-10.B.1.6.1 Identify questions and concepts that guide scientific investigations. (649.01a)

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.1.6.3 Use appropriate technology and mathematics to make investigations. (649.01c)

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)

9-10.B.1.6.7 Explain the differences among observations, hypotheses, and theories. (649.01g)

Goal 1.8: Understand Technical Communication

9-10.B.1.8.1 Analyze technical writing, graphs, charts, and diagrams. (658.02a)

Standard 5: Personal and Social Perspectives; Technology

Goal 5.1: Understand Common Environmental Quality Issues, Both Natural and Human Induced

9-10.B.5.1.1 Analyze environmental issues such as water and air quality, hazardous waste, forest health, and agricultural production. (656.01a)

Goal 5.3: Understand the Importance of Natural Resources and the Need to Manage and Conserve Them

9-10.B.5.3.1 Describe the difference between renewable and nonrenewable resources. (656.03a)

Related Content Standards – Social Studies Economics:

Grade 9-12 Economics

Standard 3: Economics

Goal 3.1: Explain basic economic concepts.

9-12.E.3.1.1 Define scarcity and explain its implications in decision making. (510.01a)

9-12.E.3.1.2 Identify ways in which the interaction of all buyers and sellers influence prices. (510.01b)

9-12.E.3.1.3 Identify the incentives that determine what is produced and distributed in a competitive market system. (510.01d)

Goal 3.2: Identify different influences on economic systems.

9-12.E.3.2.1 Compare and contrast the characteristics of different economic systems. (510.01f)

9-12.E.3.2.2 Explain and illustrate the impact of economic policies and decisions made by governments, business and individuals. (512.01b)

Goal 3.3: Analyze the different types of economic institutions.

9-12.E.3.3.1 Explain the characteristics of various types of business and market structures. (513.01a)

9-12.E.3.3.2 Describe the elements of entrepreneurship. (513.01b)

9-12.E.3.3.3 Identify the role of the financial markets and institutions. (513.01c)

9-12.E.3.3.4 Explain the purposes of labor unions. (513.01e)

9-12.E.3.3.5 Explain the difference between monetary policy and fiscal policy

9-12.E.3.3.6 Analyze the various parts of the business cycle and its effect on the economy.

Goal 3.4: Explain the concepts of good personal finance.

9-12.E.3.4.1 Examine and apply the elements of responsible personal fiscal management such as budgets, interest, investment, credit, and debt. (514.01a)

9-12.E.3.4.2 Identify and evaluate sources and examples of consumers' responsibilities and rights. (514.01b)

9-12.E.3.4.2 Identify and evaluate sources and examples of consumers' responsibilities and rights. (514.01b)