Farm Business Management CDE

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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.1.1.5 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.
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)

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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)

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**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)

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