

# Dairy Cattle CDE

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## Career Development Purpose and Objectives:

### **Purpose:**

To provide a competitive event for agricultural education students, emphasizing skills in dairy cattle evaluation, selection and dairy herd management.

### **Objectives:**

To provide a practical experience for agricultural students with an interest in dairy cattle, that will serve them well in industry positions or in management of a modern dairy herd.

To develop students' skills in observation, analysis, and communication.

To provide experience in the evaluation of dairy cattle type, production records and dairy herd management.

To encourage agriculture instructors to seek assistance from various resources in the dairy industry. (Example -dairy breed associations, artificial breeding associations, state extension dairy specialists, state DHI Associations, dairy equipment manufacturers, local dairy farmers and breeders, etc.)

## 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:**

### **9-12 Grade Speech**

#### **Standard 6: Communication**

##### **Goal 6.1**

9-12.Spch.6.1.1 Assess how language and delivery affect the mood and tone of oral communication and make an impact on the audience. (754.02.a; 754.03.a)

9-12.Spch.6.1.2 Summarize a speaker's purpose and point of view and ask questions concerning the speaker's content, delivery, and attitude toward the subject. (754.01.b; 754.02.a)

9-12.Spch.6.1.3 Draw conclusions about the ideas under discussion and support those conclusions with convincing evidence. (753.03.a)

9-12.Spch.6.1.4 Evaluate the clarity, quality, effectiveness, and general coherence of a speaker's important points, arguments, evidence, organization of ideas, delivery, choice of words, and use of language. (754.03.a)

9-12.Spch.6.1.5 Analyze the types of arguments used by a speaker (e.g., argument by causation, analogy, authority, emotion, and logic). (754.03.a)

##### **Goal 6.2: Acquire Speaking Skills**

9-12.Spch.6.2.1 Choose appropriate techniques for developing the introduction and conclusion in a speech, including the use of literary quotations, anecdotes, and references to authoritative sources. (755.01.b)

9-12.Spch.6.2.2 Identify and use elements of classical speech forms (e.g., the introduction, transitions, body, conclusion) in formulating rational arguments and applying the art of persuasion and debate. (755.01.b)

9-12.Spch.6.2.3 Use props, visual aids, graphs, and electronic media to enhance the appeal and accuracy of presentations. (755.01.b)

9-12.Spch.6.2.4 Analyze the occasion and the interests of the audience and choose effective verbal and nonverbal techniques (e.g., voice, gestures, eye contact) for

presentations. (755.01.c)

9-12.Spch.6.2.5 Use effective and interesting language, including formal expressions for effect, standard English for clarity, and technical language for specificity. (755.01.a)

9-12.Spch.6.2.8 Deliver expository presentations that provide evidence in support of a thesis. Include related claims and include information on all relevant perspectives. (755.01.b; 755.01.c)

9-12.Spch.6.2.9 Deliver oral responses to literature that advance a judgment and/or demonstrate a comprehensive understanding of the significant ideas of a work or passage. Support important ideas and viewpoints through accurate and detailed references to the text and to other works. (755.02.a)

9-12.Spch.6.2.10 Deliver persuasive arguments (e.g., evaluation and analysis of problems and solutions, causes and effects) that structure ideas and arguments in a coherent, logical fashion. (755.01.a; 755.01.b; 755.01.c)

Related Content Standards – Mathematics:

**9th Grade Math**

**Goal 5.5: Make predictions or decisions based on data.**

9.M.5.5.1 Make predictions based on randomness, chance, equally likely events, and probability. (352.04.c)

Related Content Standards – Science:

**8-9 Grade Earth Science**

**Standard 5: Personal and Social Perspectives; Technology**

**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)

**9-10 Grade Biology**

**Standard 1: Nature of Science**

**Goal 1.1: Understand Systems, Order, and Organization**

9-10.B.1.1.1 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 1.8: Understand Technical Communication**

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

Related Content Standards – Social Studies Economics: