

## **Lesson 1: Dairy Products and By Products**

### **Objective:**

1. Understand the social and economic impact made by the dairy industry in Iowa.
2. Explore the variety of products and by-products generated from milk.

### **Iowa Core Curriculum Met:**

#### Science Standards

- Content Standard 1: Students can understand and apply skills used in scientific inquiry.
- Content Standard 2: Students can understand concepts and relationships in life science

#### 21<sup>st</sup> Century Skills

- Health Literacy Essential Concepts and/or Skills  
Obtain, interpret, understand and use basic health concepts to enhance personal, family and community health goals.

### **Learning Activities:** (all activities can be found at the following website

<http://www.extension.iastate.edu/allamakee/info/dairystory>)

Activity 1: Dairy Products Cow Art

Activity 2: Why Buy?

Activity 3: Dairy By Products Bingo

Activity 4: Sort Dairy Products into Categories

Activity 5: Where are your dairy products packaged?

Activity 6: Invite a Speaker!

Activity 7: Making Cheese

Activity 8: Dairy Poem

### **Introduction to Unit:**

#### 1. Dairy Products Information Discussion

Dairy farming in Iowa is a very important activity. The milk is used to make cheese, ice cream, sour cream, whipped cream, butter and pasteurized milk. Ask students where milk is processed in your local community. The milk is brought to factories such as the Wapsie Valley in Independence, AMPI near Strawberry Point, Swiss Valley Plant in Luana or WW Homestead- Waukon. Here the milk is either bottled or made into another dairy product such as cheese, butter, or ice cream.

Use the Iowa State Stat Sheet to inform students about Dairy in Iowa and across the country.