

What your child will learn

- Dairy Cattle Production Lifecycle
- Dairy Cow External Anatomy
- Dairy Cow Products
- Dairy Cattle Breeds
- How Milk is Produced in the Cow
- Milk Composition and Differences Between Milk Types
- Ruminant Digestion and Anatomy
- The Science of Butter
- How to Create Milk Casein Plastic
- The Reaction Between Fat Molecules in Milk and Detergent
- U.S. Geography and Top Ten (10) Producing U.S. Agriculture Commodity States

Included in Box

- 22+ Page Educational Guide
- Top Ten (10) Commodity Producing State Stickers
- Book: Who is Temple Grandin?, by Patricia Brennan Demuth
- Dairy Cattle Field Guide Pages
- Milk Science Activity Kit
- Ruminant Stomach Model Kit
- Milk Plastic Activity Kit
- Online Resource Page with Supporting Materials and Lesson/Industry Videos

Discussion/Evaluation

- Where are the majority of dairy cattle grown in the United States? What region is this?
- How old are dairy cows when they first start producing milk?
- What happens to the male cattle?
- What are the different types of milk, and how are they different?
- What is the name of the protein that you can extract from milk to make plastic?
- Is all cow's milk the same?
- Describe how milk is made?
- How many stomach compartments does a cow have? Describe their function.