# STAYING HEALTHY WITH MILK!

# **ESSENTIAL QUESTION**

How can milk and dairy products contribute to a healthy lifestyle?

#### **DESCRIPTION OF UNIT**

With the help of SunnyBell, students will examine the vitamins and nutrients that make milk healthy. Students will learn the nutritious value of dairy products and be able to "see" the vitamins, minerals, and proteins in their milk!

#### MATERIALS NEEDED

#### For initial lesson

1. **Bulletin Board Builders** – Cow and Dairy Farmer, Cheese (word or image), Yogurt, Milk, Cottage Cheese, Parfait, Smoothie

2. SunnyBell Presents: Staying Healthy with Milk video

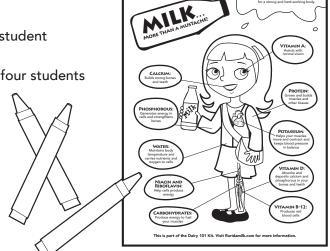
# For Extend and Enrich the Learning!

 Milk... More Than a Mustache learning sheet – one per student Crayons/colored pencils

Dairy Science, Swirling Milk lab – approx. one per every four students
 Flat aluminum pie pan (5-7" in. diameter, 1 in. deep) –
 Milk – whole, 2%, 1%, skim (dry milk if desired)
 Food coloring – red, yellow, blue and green work best
 Dove or Dawn liquid dishwashing detergent
 Toothpicks or cotton swabs

Books – The Dairy Group by Helen Frost – grades K-3
 Dairy by Honor Head – grades K-3
 Milk and Dairy by Louise Spilsbury – grades 4-8

4. Posterboard – one sheet for each group of 4-5 students



# **VOCABULARY**

- Dairy milk and foods made from milk
- Bones parts of the hard skeleton that makes up human and animal bodies
- Muscles body parts that produce movement
- Nutrients a part of food that plants, people, and animals need to live and grow
- Calcium a substance that helps people and animals have strong, healthy bones
- Vitamins a component of food that allows people to be healthy
- Proteins an important part of the human diet, usually found in milk products, meats, and beans

#### LESSON

# Get them excited!

Select 6 students to come to the front of the room. Have cheese, yogurt, milk, and dairy farmer pictures on the board backwards, so the images are a mystery. The selected students can peek at the pictures but cannot reveal the picture until told to do so by the teacher.

**Share** with the students that today they will be learning how to be healthy by consuming dairy products. First ask if anyone knows where dairy products come from. As the students guess "cow", have the child with the dairy farmer and cow show his/her picture. Explain that dairy products come from dairy cows. Dairy farmers take care of the cows on their farms and help us to have safe dairy products to eat.

This is part of the Dairy 101 Kit. Visit floridamilk.com for more information.

**Ask** the students to recall dairy products people eat regularly. When a student answers with *cheese, milk, yogurt, cottage cheese, a parfait or a smoothie,* have the students in the front of the room show their pictures to the group. If children list any additional dairy foods, add those to a list on the board (chocolate milk, etc.)

**Explain** that milk is filled with nutrients, vitamins, proteins and calcium.

These components are the parts of healthy foods that make our bodies strong, help us think clearly, add the good fats that our brains need to think, and are essential to us being strong and able to function.

Introduce and Show the SunnyBell Presents: Staying Healthy with Milk video included on the resource CD or on youtube at http://www.youtube.com/watch?v=IMI-NPovJIE

#### **Questions for Learning**

Add your own great ideas to our list below!

- 1. Why does the doctor say SunnyBell is in great shape? (Milk!)
- 2. Why are nutrients, vitamins, proteins and calcium important parts of milk? (They make strong bones, teeth and muscles.)
- 3. How can drinking milk now or eating healthy foods now help us make a good lifelong habit?

### Extend and enrich the learning!

- 1. In the video, SunnyBell gets a milk mustache. Use the Milk...More than a mustache! review sheet to explain how the components of milk fuel a body. As each section is discussed, students color in the corresponding bubble with a color of your choice.
- Ask the students if they would like to see some of the parts of milk.
   Follow the Dairy Science Swirling Milk lab to help students visualize the proteins, good fats and water components of milk.
- 3. As a class, study the following books and ask students how they know what they have learned:

The Dairy Group by Helen Frost – grades K-3 Dairy by Honor Head – grades K-3 Milk and Dairy by Louise Spilsbury – grades 4-8

4. Divide the class into groups and let them share what they know with posters to place about the school!

#### **Check for Understanding**

Remind students the importance of making healthy habits. Review how milk contains protein, calcium, nutrients and vitamins. This might be a great time to encourage students to learn more about cows, dairy farms, and dairy foods the next time they visit the school library. Encourage them to find dairy foods in the grocery store and keep a list of all the dairy foods they eat in a day.



