



Lesson: Dairy Farms in New Hampshire

(To follow Amplify CKLA K, Knowledge 5: Farms, Lesson 2: With a Moo, Moo Here)

At a Glance	In this lesson, students take a virtual field trip to a New Hampshire dairy farm and create booklets about how milk gets from a field to a bowl of cereal.
Primary Focus Objectives	• Students will watch and discuss a video visit to a dairy farm. • Students label images of steps in the milk production process. • Students will order the images to create booklets.
Formative Assessment	• "Field to Bowl" booklet
Standards	CCSS.ELA-LITERACY.SL.K.1 Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups. CCSS.ELA-LITERACY.W.K.2 Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic.
Materials	• Virtual Field Trip: "Wicked Old Farms and Fairs," minute 8:41 to 13:36 • "Field to Bowl" worksheets • Scissors, crayons, stapler or brass fasteners
Time Needed	One 30-40 minute class session
Learning Activity	1. "Visit" a dairy farm. Watch the recommended 5-minute segment of "Wicked Old Farms and Fairs" and discuss features of this New Hampshire dairy farm. <i>(10 minutes)</i> 2. Label the images. Distribute sets of "Field to Bowl" worksheets and support students as they label and color the images. <i>(20 minutes)</i> 3. Create the booklets. Provide students with scissors to cut out the images and support them as they arrange the steps in order and attach the pages to create a booklet. <i>(10 minutes)</i> 4. Read the booklets. Give students opportunities to read their booklets to each other and to others outside the classroom. <i>(Time will vary)</i>



Educator Rationale and Answer Guide

Connection to Amplify

In this lesson, students extend the knowledge about cows developed in Amplify CKLA K, Knowledge 5, Lesson 2: With a Moo, Moo Here. Viewing a segment from a Virtual Field trip allows students to visit a dairy farm in New Hampshire and see how the cows are fed and cared for to produce thousands of gallons of milk each year. The “Field to Bowl” activity challenges students to label images of steps relating to milk production and then put them in order to create a booklet they can read independently.

“Visit” a dairy farm

This brief segment of the Virtual Field Trip introduces students to the farmer and cows at Windy Hurst Farm in West Berlin, New Hampshire. Consider pausing the video to ask students what they notice about the buildings, the food source, and the type and number of cows. They’ll hear the farmer talk about how hard the work is on a farm and what the farm does to be sustainable: growing all the food the cows need, raising their cows from birth, and using the cows’ manure to fertilize their field. Sustainable farming is an important feature in New Hampshire farms. Consider talking to students about how these sustainable practices are good for New Hampshire’s environment.

Label the images

This worksheet features a collection of images that represent information about dairy farms and milk production from both the Amplify lesson and the Virtual Field Trip. Encourage students to write a word or two (or dictate) to describe what they see in each image.

Create the booklets

The images are not in order. Provide students with scissors and support them as they cut along the dotted lines and then lay out the images in the correct order to show how milk goes from being grass or corn to a white liquid in a bowl of cereal. There is some flexibility with the order. For example, students may wish to introduce the farmer at the beginning, then the hay and corn image, followed by the cow. Or students may wish to begin with the farmer, followed by the cow. The most important thing for students to demonstrate is first the cow must eat, then be milked, then the milk is transported, packaged, and finally, poured into a bowl of cereal. Students may need help stacking the images to maintain their order. Staple the pages or punch holes so students can create a binding with brass fasteners.

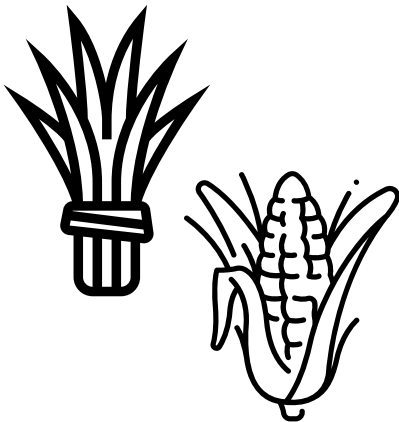
Read the booklets

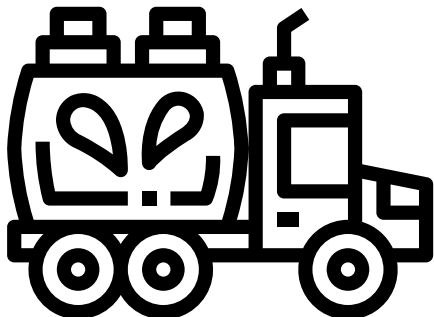
Encourage students to read their milk production stories to each other, reading buddies in other classes, and caregivers. Reinforce student understanding by reading non-fiction picture books aloud, such as *The Milk Makers* by Gail Gibbons or *It’s Milking Time* by Phyllis Alsdurf.

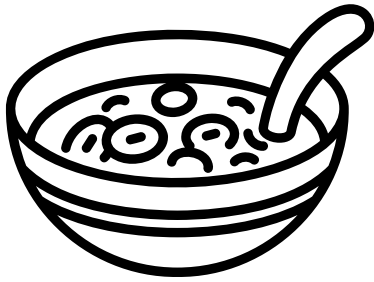
Field to Bowl

A Story about Milk

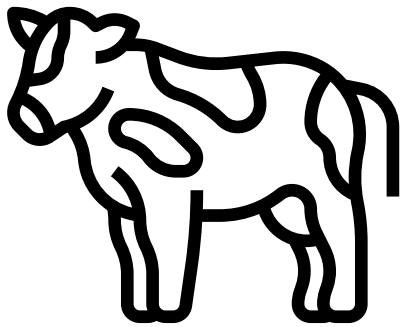
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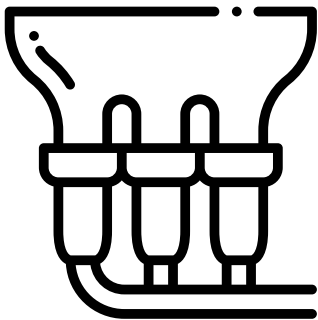




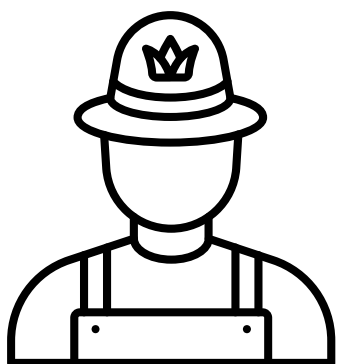
Handwriting practice lines consisting of four sets of three horizontal lines (top solid, middle dashed, bottom solid).



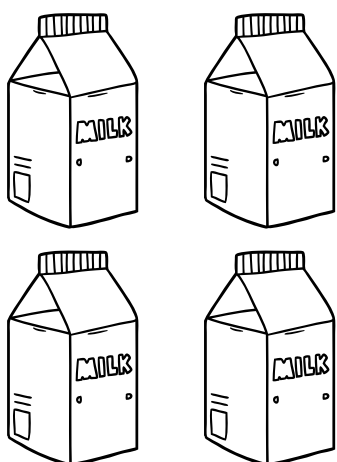
Handwriting practice lines consisting of four sets of three horizontal lines (top solid, middle dashed, bottom solid).



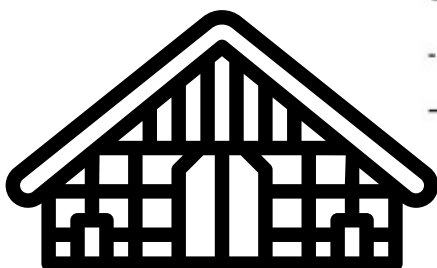
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Handwriting practice lines consisting of a solid top line, a dashed middle line, and a solid bottom line. There are three sets of these lines for writing practice.



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