



Kindergarten Agriculture Lessons

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1) Months of the year and the four seasons will be introduced via using the Fairbanks North Star Borough School District (FNSBSD) Library Media services (LMS) book kit: BKP (Book Prop) Calendar. The featured book in the kit is THE YEAR AT MAPLE HILL FARM by Alice and Martin Provensen as well as the 2003 Childcraft Education Corp. idea pages. Additions in my classroom will be to have students make observations of animals in the pictures and discuss the animal adaptations by season. Students will observe and discuss how the flannel piece symbol (a symbol is something that stands for something else....e.g. USA flag) for each month represents that month.

2) Counting with numbers one to ten will be introduced using the BKP POTATO JOE by Keith Baker and checked out from LMS. Students will choral respond/chant the potato counting pattern. Students will listen for rhyming words. Students will participate in the counting backwards portion of the story as well.

3) Sort alphabet food card sets from Washington State Dairy Council by color coordinated food groups (modified, full published lesson (Name that Food Group) available from Washington State Dairy Council: www.EatSmart.org). Separate and identify the letter cards in the alphabet set that show dairy products (Cc, Ii, Mm, Qq, Yy).

Dairy related lesson modifications/additions to use over the course of several days and as time allows. Make (or taste) each type of dairy item in the classroom. Alphabet card dairy items are: cheese, ice cream, milk, quark (Spanish word for a creamy, white, fresh cheese), yogurt.

-Make yogurt drops on the dehydrator (chewy like salt water taffy) instead of making yogurt itself (from a one-page flyer: 1984 Alternative Pioneering Systems, Inc, out of Minneapolis, MN).

-Compare textures of cheeses such as block cheese (e.g. cheddar) with process pasteurized cheese food (e.g. cheese in a can) with soft cheese (e.g. cream cheese) with hard cheese (e.g. Romano or parmesan) by tasting each on a saltine cracker.

-Make butter in jars via shaking as listed in the Dairy Cows Lesson on the Alaska Agriculture in the Classroom website: www.agclassroom.org/ak with the addition of making butter using the paddle churn I brought back from WI (patented in 1922 but popular in homes in the 1940s) and comparing the amount of time it took to make the butter in each device as well as the quantity

and ratio of whey to solids from both methods of making butter. I will also bring into class a small, metal milk can that I brought from Wisconsin to show past practice of how milk was hauled to creameries prior to the development and use of milk tanker trucks.

-Make ice cream as listed in the lesson Plastic Bag Ice Cream for Individuals from the website: <http://wisagclassroom.org/>. Check out PUP (Puppet kit) Two Cool Cows from LMS. This kit contains two different books, TWO COOL COWS by Toby Speed and FROM COW TO ICE CREAM a Photo Essay by Bertram T. Knight, which represents one factory way of making ice cream. Read and discuss the photo essay book. Make a graph showing students' favorite flavor of ice cream. Read and share TWO COOL COWS incorporating the nursery rhymes referenced in the text of the story. An extension could be to have students make play sunglasses.

4) Use the alphabet food card sets from Washington State Dairy Council to complete the lesson Alphabet Card Spell Off where students move about in a large space to posted letters in order to spell out their names (full published lesson available from Washington State Dairy Council: www.EatSmart.org). If you incorporate the physical activity suggested at each letter you may be able to count this lesson toward meeting the physical activity requirements from Alaska Senate Bill 200 of the 2016 state legislative second sessions in April 2016 and in state statute AS 14.30.360.

5) Use the alphabet food card sets from Washington State Dairy Council to complete the lesson ABC Cards Make a Meal Relay where students use the My Plate guidelines to create meals out of the alphabet cards using one card from each food group for each meal (modified, full published lesson available from Washington State Dairy Council: www.EatSmart.org).

Additional FNSBSD resources to use:

Counting Sheep Art Kit (kindergarten art kit)

Landscapes with David Mollett Art Kit (kindergarten art kit)

Sunflower Art Kit (kindergarten art kit)

Art From the Berry Patch....Berries, yum, yum, yum! Art Kit (kindergarten art kit)

Busy Bee Helpers Art Kit (kindergarten art kit)

Piggy Backed Shapes Art Kit-lesson one (kindergarten art kit)

Birches Branching Out Art Kit (kindergarten art kit)

-There are additional art kits at other grade levels that could be modified to a kindergarten level and tied into agriculture.

BKP: Shaw, IT LOOKED LIKE SPILT MILK

BKP: Stott, Sing-A-Story: B-I-N-G-O

BKP: Carter, including four books and small puppets

OLD MACDONALD DRIVES A TRACTOR by Don Carter, THUMP, QUACK, MOO by Doreen Cronin and Betsy Lewin, THE FARMER IN THE DELL by John O'Brien, FARMER JOE AND THE MUSIC SHOW by Tony Mitton