

June

..... HARVEST OF THE MONTH

BLUEBERRIES

NC Standard Course of Study

Math:

NC.K.CC.1 Use concrete and pictorial representations to count up to 10 items by ones.

NC.K.CC.4 Understand the relationship between numbers and quantities.

NC.K.OA.1 Represent addition and subtraction, within 10:

NC.1.OA.1 Represent addition and subtraction with objects, fingers, drawings or sounds (e.g. claps) within 10.

NC.1.OA.6 Use manipulatives or visual representatives to indicate the number that results when adding “one more” or subtracting “one less”.

NC.2.OA.4 Use addition to find the total number of objects within equal groups up to a total of 20

Materials needed:

Addition Worksheet, one for each student

For snack:

- Blueberries—about 3 cups?
- Fruits that can be sliced, like apples, bananas, pears—(5-6 pieces total)
- 2-3 medium to large bowls for ingredients

- Strainer for rinsing the fruit
- Cutting board
- Knife
- Bowls (one for each student)
- Spoons (one for each student)

**In lieu of a snack, this activity can be done on paper with students drawing their dream fruit salad and adding up the amounts of each fruit. For that, you'll just need: paper plates & markers/colored pencils/crayons for each student.*

Goal:

Math Fruit Salad. Students will practice counting/addition skills while assembling a fruit salad with fresh, local blueberries!

Activity Length:

45-60 minutes

Location:

Classroom

Blueberry Life Cycle

Question for the class: How do our BLUEBERRIES GROW? What does it need to grow?

Invite students to join in narrating or acting out the process:

Possible script: *It starts of as a tiny little SEED. If that plants gets SOIL + WATER, it will start to GERMINATE. It will send ROOTS down into the SOIL. Then it sends up its STEM toward the sky. It sends out its LEAVES to collect more sun. When it wants to make more plants, it will open up a FLOWER. Visitors like BEES & BUTTERFLIES (Pollinators!) (buzzzzzzz) will help the flower grow into a FRUIT, like our sweet blueberries! Inside the fruit is a tiny SEED, which can make a new plant!*

Optional warm-up songs:

Roots, Stems, Leaves by the Banana Slug String Band

Sun, Soil, Water & Air by the Banana Slug String Band

Bonus: Have students act it by starting as a tiny little seed (ball on the floor), pressing their roots (feet) into the floor, stretching their stem (body) towards the sky, and opening leaves.

Supply Chain

Question for the class:

WHERE do BLUEBERRIES GROW?> They grow on a farm or they can grow in a garden (do we have them in our garden?). They also grow in the wild.

Where can we get or buy BLUEBERRIES?> We can buy them at the grocery store, farmer's market, or we can eat them at the cafeteria.

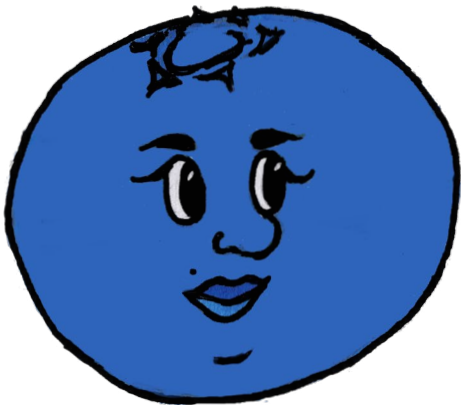
HOW did the BLUEBERRIES get from the farm to our plate? WHO helps?> **Harvest:** The farmer had to harvest (pick) them from the blueberry bush.

Process: Maybe they were washed, and then someone had to pack them in a box to keep them safe.

Transport: A driver had to drive them from farm to market. It may be a long way depending on where the journey started!

Prepare: Someone (a chef or a family member) had to wash it or put it a blueberry muffins or jam

Eat: And finally... after all that... YOU get to eat it!



Harvest of the Month Moment!



Before diving into the lesson, introduce the featured produce!

If space, gather in a circle or around the poster. Feel free to use this space to share your own experiences with the harvest and celebrate what students know.

The Harvest of the Month for JUNE is BLUEBERRIES!

Blueberries are a good source of Vitamin C and fiber.

Blueberries grow on a bush.

Blueberries grow best in North Carolina during summer and they are ripe and juicy in June.

Ask students to find the harvest on the What's Growing On? Poster. If available, pass around the harvest and invite students to share observations (How does it feel, look, smell, sound? Does it remind you of another harvest we've done this year?).

Consider asking some warm-up questions for students:

Have you tried blueberries? When did you try them?

How does your family like to prepare blueberries?

Do you have anything that you know about this harvest that you'd like to share?

What's Growing On?



Invite students to close their eyes for a **virtual field trip**: *Where can we find numbers/math in the grocery store?*

Invite student responses.

Examples: aisles, weight of produce, nutrition label, number of items in box, receipts, prices, etc.

Great! Well, there are a lot of numbers inside our fruit, too! Today we are going to count how many slices are in our fruits!

Book Extensions:

Edible Numbers by Jennifer Vogel Bass (Kindergarten)

Blueberries Grow on a Bush by Mari Schuh

1. Dicing the Fruit & Adding Blueberries

Set up a cutting board so it's visible to the class.

Depending on the class size, invite students count the slices out loud as a group or have students come up in small groups to count and add on the board. It's a great opportunity to practice tally marks.

As you slice apple, banana, pear, other fruit:

- Ask students to count aloud each slice
- Have a student volunteer write the number of slices on the board
- If cutting multiple apples, add the number of slices on the board
- Repeat this process with different fruits

For example:

- *If each of 3 apples yields 15 slices, write $15+15+15$ on the board, for a total of 45 apple slices*
- *Then maybe the 3 banana yields 10 slices each $10+10+10$ for 30 bananas slices*
- *Then the 2 pears yield 10 and 15 slices respectively, for total of $10+15 = 25$*
- *Total number of fruit slices in the fruit salad
 $= 45+30+25=100$*

Have students wash hands, and distribute the provided handout to each student.

2. Adding Up Our Salad

Once, you've calculated the total number of slices, review that each student will get some salad and count how many slices of each are in their personal salad. Serve each student a scoop of fruit salad in a bowl.

Addition Skills:

- Ask students to count the fruit in their bowls, but wait to eat it until everyone is finished. Everyone may have slightly different numbers. You will give the thumbs up when everyone is finished.
- Ask students fill out their worksheets, using the numbers they counted
- Circulate to check that everyone is calculating their fruit equation correctly

Time to eat! Once all students have written their equations. *Bon appetit, now you may eat!*

Extension: Art

- Invite students to draw and decorate their addition worksheets and recipes, and display them on the wall!
- Give each student plain paper and a small dish of blue paints, and have them create a blueberry design with their fingers!

Inspired by FoodCorps Fun With Fruit Salad Lesson

My Fruit Salad



Drawing:

Numbers _____ + _____ + _____ =

Fruit:

Local Blueberries _____