

Carrot & Marigold Harvest
Measure, Collect & Count
2018 October
2nd Grade Garden Parent Outdoor Lesson #4

Objective: To notice what is still in bloom and growing in the school garden- as plants go through their autumn transformation. Reinforce parts of the plant (carrot root, marigold flower) To experience a fall harvest activity that involves measuring and counting. Using senses to make observations in the garden, orange marigolds and carrots underground.

Time/location: The entire lesson can be done in 35-45 minutes in the school garden.

Materials: worksheet, clipboards, pencils, scissors for snipping Marigold flowers, thread and needles(for adults)

Poem: Cycle, Langston Hughes (excerpt), ANY OTHERS ON CARROTS?

The Lesson:

Part 1 / Carrot Harvest, Draw, Measure, Add & Subtract. 15-20 min

In pairs, each team harvest (1-2) carrots per pair. Trace the root on your paper.

- Notice the texture, draw it in. Can you draw the green carrot top on the page?
- Measure your carrot root (in cm) using pinkies to estimate. How tall is the carrot top?
- How much taller is the carrot top. (measure and note in cm)
- What is the total length of carrot root and top?
- After you finish drawing measuring and noting the carrot, set it in a row in order of height.
- Wash and take your carrot home/ to snack on during class?

Part 2 / Marigold Harvest, Count, String 15-20 min

In pairs, each team harvest (5 or 10) Marigolds per pair.

- Notice the smell, texture, pattern, draw it in.
- Measure (1) of the Marigold flowers you picked in cm (using the pinky method across the center)
- and make a note of the measurement.
- Bring your 5/10 marigolds to the adults for stringing.
- After the Marigolds are strung, have several students volunteer an armspan measurement.
- How long is the garland?

Part 3 / Poetry & Movement (September) 5 min Gather in a circle, and read this poem with a movement exercise.

Cycle, by Langston Hughes (excerpt)

So many little flowers,
Drop their tiny heads
But newer buds come to bloom,
In their place instead.



Your Name: _____

Harvest & **DRAW** your carrot - **Root & Top** (*stems & leaves*):

Measure **Root** Length in **cm**: use your pinkie! _____

Measure **Top** Length in **cm**: use your pinkie! _____

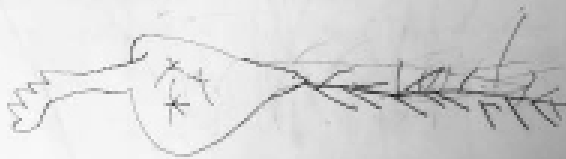
What is the total length of the the Carrot in **cm**? _____

Which part is longer, the root or the stem? _____

How many **cm** longer? *Show your work.* _____

Your Name: _____

Harvest & DRAW your carrot - Root & Top (stem & leaves)

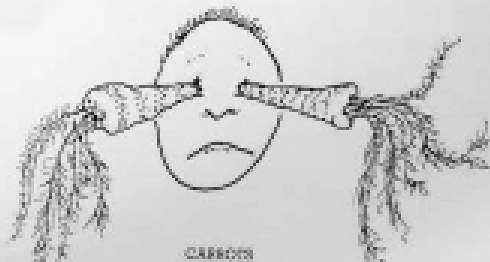


Measure Root Length in cm use your pencil 10cm
 Measure Top Length in cm use your pencil 29cm
 What is the total length of the the Carrot in cm? 39
 Which part is longer, the root or the stem? Stem
 How many are longer? Show your work. 1

Harvest & DRAW your carrot - Root & Top (stem & leaves)



Measure Root Length in cm use your pencil 14
 Measure Top Length in cm use your pencil 24
 What is the total length of the the Carrot in cm? 38
 Which part is longer, the root or the stem? root
 How many are longer? Show your work. 1



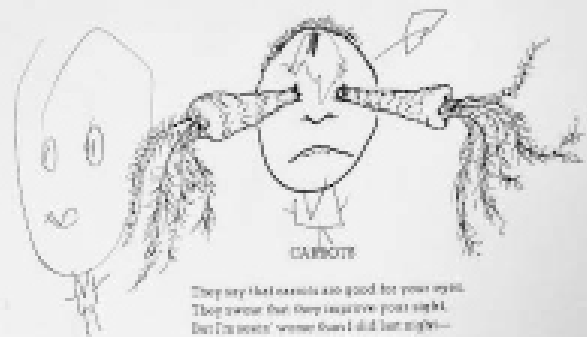
They say that carrots are good for your eyes,
 They swear that they improve your sight,
 But I've seen' worse than I did last night—
 You think maybe I ain't seen' 'em right?

Carrots Poem by Shel Silverstein, from *Falling Up*

What did the carrot say to the wheel? Let's go rest, I'm feeling best. (By Shel Silverstein)

Write your own Carrot Harvest Poem and Joke:

I know that carrots are good for your
 sight and if that is that can't eat them with
 my eyes? What did the carrot say to the other
 carrot? root you later!



They say that carrots are good for your eyes,
 They swear that they improve your sight,
 But I've seen' worse than I did last night—
 You think maybe I ain't seen' 'em right?

Carrots Poem by Shel Silverstein, from *Falling Up*

What did the carrot say to the wheel? Let's go rest, I'm feeling best. (By Shel Silverstein)

Write your own Carrot Harvest Poem and Joke:

What did the carrot say to the wheel? Let's go rest, I'm feeling best. (By Shel Silverstein)

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