Purpose

Plant a garden bed that contains all different edible plant parts. Use the garden bed to teach the following standards:

- 3.L.2.1, 3.L.2.2, 3.L.2.3 Understand how plants survive in their environments.
- **3.0A.1** Represent and solve problems involving multiplication and division.
- 3.NF.1 Understand fractions as numbers.
- **3.MD.2** Solve problems involving customary measurement.
- **3.MD.3** Represent and interpret scaled picture and bar graphs.
- **3.MD.5-7** Find the area of a rectangle with whole number side lengths.
- **RI.3.7** Use information gained from illustrations and the words in a text to demonstrate understanding of the text.
- 3.E.2 Understand entrepreneurship in a market economy.

Prior to Planting

- Students determine the area and perimeter of the bed, divide the bed into square feet, and grid.
- Determine the appropriate amount of fertilizer needed based on square footage.
- Use fractions to determine how many square feet of each crop will be planted.
- Use multiplication to determine how many seeds/transplants are needed.
- Read informational text to determine how to grow each crop and when to plant each.





School Garden: Planning with a Purpose Grade 3

Growing

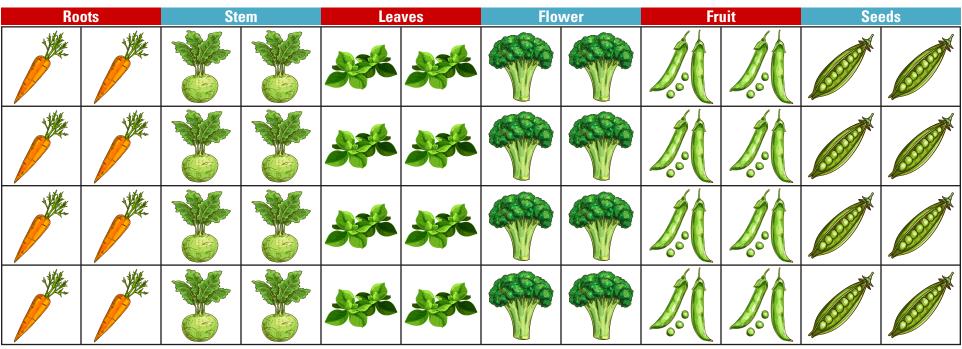
- Create QR codes for each crop highlighting what plant part we eat.
- Measure, document, and graph the growth of each crop.
- Observe all stages of plant life cycle in peas.

Harvest

- Measure and weigh each crop.
- Using half of the harvest, conduct a tasting, identifying which plant part each crop represents. Create a frequency table of students' favorite crops. Have students create a scaled picture or bar graph of the data.
- Use the remaining harvest to have a mini farmers market and sell crops to parents or teachers.

Your Notes & Ideas

Edible Plant Parts Garden Bed



4' x 12' garden bed















