

Volume of the Garden

Grade Level: 5th

Title of Lesson: Map the Garden

Performance Standard(s) Covered:

MCC5.MD.5 Relate volume to the operations of multiplication and addition operations of multiplication and addition and solve real world and mathematical problems involving volume.

Essential Question: What is volume?

Objective: Students will be able to find the volume of a real shape to 100% accuracy.

Key Words and Terms:

- volume

Learning Activity

Abstract: Students will measure the volume of raised beds.

Materials Needed:

- 1 Measuring tape
- Graph paper (one per student)
- Class set of markers

Procedure:

1. Teach students how to find the volume of an object and practice.
2. Take students outside to measure the volume of the school raised beds using the measuring tape.
3. Allow a few students to measure the length, width, and height of the raised beds and have the rest record the information.
4. Also have students record their observations about the raised beds.
5. Return to the classroom and have students find the volume of the raised beds.
6. Once the volume has been found, have students discuss how they have found it.
7. Once volume has been confirmed, have students draw and color a map to scale of the raised beds with appropriate volume, length, height, and width.