

## Map the Garden

**Grade Level:** 4<sup>th</sup>

**Title of Lesson:** Map the Garden

**Performance Standard(s) Covered:**

MCC4.MD.3 Apply the area and perimeter formulas for rectangles in real world and formulas for rectangles in real world and mathematical problems. For example, find the width of a rectangular room given the area of the flooring and the length, by viewing the area formula as a multiplication equation with an unknown factor.

**Essential Question:** What is area?

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

**Key Words and Terms:**

- Area

**Learning Activity**

**Abstract:** Students will measure the area of the garden and draw a map to scale.

**Materials Needed:**

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

**Procedure:**

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