

## Daily Lesson Plan (DLP)

<b>Topic. Plot your Plants.</b>		Day: 2
<b>Grade: 4-5</b>	<b>Lesson Name: How many plants fit in each bed?</b>	<b>Time :(60 Mins.)</b>

Topic	<b>How many plants fit in each bed?</b>
Weekly key words	French marigold, square inches, fraction, etc.
Seating plan	<input type="checkbox"/> Individual <input type="checkbox"/> Pairs <input type="checkbox"/> Group of 4
Skill development	<input checked="" type="checkbox"/> Reading <input checked="" type="checkbox"/> Writing <input checked="" type="checkbox"/> Discussion <input type="checkbox"/> Presentation <input type="checkbox"/> Reflection <input type="checkbox"/> Illustration <input type="checkbox"/> Collaboration <input type="checkbox"/> Observation <input type="checkbox"/> Research <input type="checkbox"/> Other (Specify)

<b>Objectives:</b>	➤ Develop knowledge about how many plants fit in each bed
➤ <b>The students will be able to:</b>	
<b>Teaching Resources:</b>	Measuring tape, writing board, notebook, piece of paper, pen/pencil, plants, worksheet, journal
<b>Teaching Learning Strategies</b>	
<p><b>Introduction: 5 mins.</b> Start the lesson by asking the students to recall the previous lesson and discuss in the classroom. Listen to their responses and give feedback.</p> <p><b>Methodology: (20 mins.)</b> The teacher will discuss in detail how many plant fit in each bed:</p> <p><b>Activity: (30 mins.) (Group Work)</b> <b>Steps for Calculating the Number of Plants</b> Step 1. The area to be planted is a 4x4-foot square. 4 feet x 4 feet = 16 square feet. Step 2. 16 square feet x 144 square inches = 2,304 square inches. Step 3. The suggested spacing for French marigold (<i>Tagetes patula</i>) is 12 to 15 inches.</p>	

- At 12-inch centers, 12 inches x 12 inches = 144 square inches for each plant.
- At 13-inch centers, 13 inches x 13 inches = 169 square inches for each plant.
- At 14-inch centers, 14 inches x 14 inches = 196 square inches for each plant.
- At 15-inch centers, 15 inches x 15 inches = 225 square inches for each plant.

Step 4.

- At 12-inch centers, 2,304 square inches ÷ 144 square inches = 16 plants.
- At 13-inch centers, 2,304 square inches ÷ 169 square inches = 13.6 or 14 plants.
- At 14-inch centers, 2,304 square inches ÷ 196 square inches = 11.8 or 12 plants. At 15-inch centers, 2,304 square inches ÷ 225 square inches = 10.2 or 11 plants.

Note: If your calculations come out to a fraction of a plant, such as 40.4 or 80.7, always use the next whole number. It doesn't sound like a big difference, but that one extra plant, not noticeable when first planted, may make the difference as to whether or not your design fills out.

**Wrap up (5mins.):** Wind up the lesson by asking the students randomly to share their findings.

**Home Assessment:**

The students will do the worksheet as homework.

**Worksheet**

**Lesson Evaluation:**

- Teacher was able to accomplish all aspects of the lesson well
- Teacher was not able to ..... do warm up activity ,
- develop lesson plan well ,
- do the learning activity ,
- do wrap up ,
- accomplish lesson objective ,
- manage time well ,

- manage class well

**Worksheet Day**

**Name:** \_\_\_\_\_

**Class:** \_\_\_\_\_

**Topic:** Plot the Plants

**Subject:** Science

➤ **If your calculations come out to a fraction of a plant, always use the next whole number. Why?**

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