

Daily Lesson Plan (DLP)

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

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

Objectives: ➤ The students will be able to:	➤ Develop knowledge about how many plants fit in each bed
Teaching Resources:	Measuring tape, writing board, notebook, piece of paper, pen/pencil, plants, worksheet, journal
Teaching Learning Strategies	
Introduction: 5 mins. Start the lesson by asking the students to recall the previous lesson and discuss in the classroom. Listen to their responses and give feedback. Methodology: (20 mins.) The teacher will discuss in detail how many plant fit in each bed: Activity: (30 mins.) (Group Work) Steps for Calculating the Number of Plants 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 (Tagetes patula) is 12 to 15 inches.	

- 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?
