Daily Lesson Plan
(DLP)

Topic. Plot your Plants.		Day :1
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	wax begonia, nursery, etc.
Seating plan	☐ Individual ☐ Pairs Group of 4
Skill development	■ Reading ■ Writing ■ Discussion ☐ Presentation ☐ Reflection ☐ Illustration ☐ Collaboration ☐ Observation ☐Research ☐ Other (Specify)

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 look at the topic and share their understandings. Listen to their responses and give feedback.

Methodology: (20 mins.)

The teacher will discuss in detail how many plant fit in each bed:

Avoid the nursery and find out that you bought too many flowers or plants—or, discover that your number fell short of the look you want in the garden space. Obviously, it depends on the type of plant but this gives you good guidelines for garden design as a starting place.

Activity: (30 mins.) (Group Work)

Steps for Calculating the Number of Plants

1. Determine the number of square feet in the area to be planted:

Rectangle: Multiply length by width
Circle: Multiply the radius by itself, and that result by pi (3.14)
Oval: Multiply the average radius by itself, and that result by pi (3.14)
Triangle: Multiply 1/2 the height by the base
2. Determine the number of square inches in the area to be planted by multiplying the number of square feet by 144 (which is the number of square inches in one square foot).
3. Determine the number of square inches a mature plant will cover by multiplying the number of inches of suggested spacing between plants by itself.
4. Divide the number of square inches in the plot by the number of square inches required for one plant. This result is the total number of plants needed for that plot.
Example A:
Step 1. The area to be planted is a 6x8-foot rectangle. 6 feet x 8 feet = 48 square feet.
Step 2. 48 square feet x 144 square inches = 6,912 square inches.
Step 3. The suggested spacing for wax begonia (Begonia semperflorens-cultorum) is 8 to 10 inches.
At 8-inch centers, 8 inches x 8 inches = 64 square inches for each plant.
At 9-inch centers, 9 inches x 9 inches = 81 square inches for each plant.
At 10-inch centers, 10 inches x 10 inches = 100 square inches for each plant.
Note: The middle of the suggested range (9 inches) is usually recommended, but for quicker coverage, the low range (8 inches) can be used. The higher range (10 inches) is usually not recommended. If all plants do not grow, coverage will not be complete.
Step 4.
At 8-inch centers, 6,912 square inches ÷ 64 square inches = 108 plants.
At 9-inch centers, 6,912 square inches ÷ 81 square inches = 85.3 or 86 plants.
At 10-inch centers, 6,912 square inches ÷ 100 square inches = 69.1 or 70 plants.
Wrap up <mark>(5mins.):</mark> 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**

➢ **Write down step no 3 of garden designing guidelines in your own words.**

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