



Leaf Measurement Lab Lesson Plan

Grade 3 - 5

Duration: 30-40 minutes



Learning Objectives

Students will:

- Students will:
- Measure leaves using standard units (centimeters or inches).
- Record data accurately on a chart or line plot.
- Calculate differences between lengths.
- Analyze class data for range, mode, and mean (optional).

Materials

- Real leaves (or paper leaves if needed)
- Ruler (cm/in)
- Recording sheet
- Chart paper or whiteboard



Lesson Plan

1. Hook (5 minutes)

- Show students a handful of leaves of different lengths.
- Ask:
 - “Which leaf do you think is the longest?”
 - “How could we find out for sure?”

2. Exploration: Students Measure Leaves (15–20 minutes)

- Provide rulers and require precise measuring in cm or inches.
- Give each student 3–5 leaves
- Students measure leaves and record decimal or whole-number measurements.



Lesson Plan

2. **Exploration Continued**

- Students answer questions such as:
 - “What is the difference between your longest and shortest leaf?”
 - “What is the average leaf length in your group?”
- Create a class line plot on the board with everyone’s longest leaf.

3. **Group Discussion (5–10 minutes)**

- “What is the class range?”
- “Where is the cluster of most common lengths?”
- “How does your measurement compare to your partner’s? Why might it be different?”



Leaf Measurement Lab



Recording Sheet

Measure each leaf using centimeters or inches.

Leaf	Estimated Length	Actual Length	Shorter/ Longer/ Same
Leaf #1			
Leaf #2			
Leaf #3			
Leaf #4			
Leaf #5			

Range:	Mode:	Mean:
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