POLLINATOR CITIZEN SCIENTIST
★ DATA & ANALYSIS ★

Roberts Rockets STEM

Name: _____ Grade: _____ Date: _____ Time: _____

LEARNING TARGET

I can collect, graph, and analyze pollinator data to identify patterns and support my thinking with evidence.

MY PREDICTION

Which pollinator do you predict will visit our garden most often? Why?

_____

_____

_____

1 OBSERVATION CONDITIONS

Scientists record information that may affect their results.

Plant observed: _____

Weather: Sunny Cloudy Rainy Windy

Temperature or how it feels: _____

Garden location: _____

2 COLLECT YOUR DATA

Record one tally for every pollinator visit.

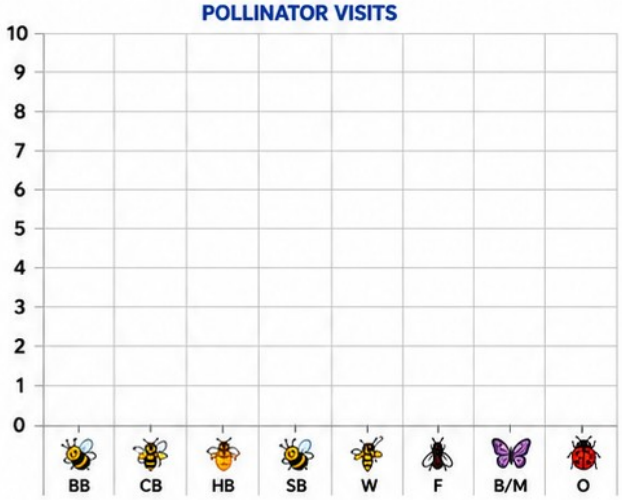
Pollinator Category	Tallies	Total
Bumble Bees		
Carpenter Bees		
Honey Bees		
Small Bees		
Wasps		
Flies		
Butterflies / Moths		
Other Insects		

Total Pollinator Visits: _____

3 GRAPH YOUR DATA

Create a bar graph using your totals.

POLLINATOR VISITS



KEY

BB = Bumble Bee CB = Carpenter Bee HB = Honey Bee SB = Small Bee
W = Wasp F = Fly B/M = Butterfly or Moth O = Other Insect

4 ANALYZE THE DATA

The most common pollinator was _____.

It visited _____ times.

The least common pollinator was _____.

It visited _____ times.

One pattern I noticed was _____

_____

_____

5 CLAIM → EVIDENCE → REASONING

CLAIM: What do you think your data tells us about our pollinator garden?

_____

_____

EVIDENCE: What numbers or information from your data support your claim?

_____

_____

REASONING: Why does that evidence support your claim?

_____

_____

6 THINK DEEPER

What might have affected the pollinators we observed? Circle any that may have mattered.

Time of Day | Weather | Temperature | Flower Type | Garden Location | Sunlight

One question I still have: _____

_____

If I collected data again, I would: _____

_____

7 COMPARE TO OUR SCHOOLWIDE DATA

After all classes enter their data, compare your results to the schoolwide digital graph.

One similarity I noticed: _____

One difference I noticed: _____

What does our schoolwide data tell us? _____

_____

What new questions does our schoolwide data create? _____

_____

_____

★ WE ARE CITIZEN SCIENTISTS!

I observed carefully. | I collected accurate data. | I represented my data. | I identified a pattern. | I supported my thinking with evidence. | I asked a new scientific question.

ROBERTS ROCKETS