LAB #:

DATE: 25/10/19

TITLE: Ecological Study

AIM: To investigate the amount of species found in an area.

MATERIALS:

- Quadrat Square Grid

PROCEDURES:

- 1. Select a small area near the school.
- 2. Build a metre square grid quadrat using poles and strings.
- 3. Choose five random sampling sites on the area.
- 4. Use the quadrat grid to map the distribution of different species in the random sample area.
- 5. Choose one species that is found in all the quadrats used.
- 6. Calculate the average percentage of the area covered by the species.
- 7. Record Data in a table.

OBSERVATIONS: at least three species.

Organisms	Quadrat # and SPECIES								Frequency	Species		
	1	2	3	4	5	6	7	8	9	10		Density

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Student name:								
CRITERIA FOR ASSESSING								
MANIPULATION AND MEASUREMENT								
Ecological Study								
Teacher Name:	Max	Points						
Mr. Erick Santizo	points	Earned						
Use of Laboratory Equipment								
1. Accurate construction of								
quadrat	2							
2. Uses of quadrat on an	2							
appropriate area								
3. Proper use of quadrat on	3							
random areas								
4. Makes accurate count of	1							
species								
5. Calculate frequency and	2							
density of species.								
Total	10							

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3. Proper use of quadrat on (3)	3						
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species							
5. Calculate frequency and	2						
density of species.							
Total	10						