



Province of the
EASTERN CAPE
EDUCATION

SOCIAL SCIENCES

GEOGRAPHY PROJECT

TERM 3

GRADE 5

Year - 2022

TASK: OBSERVING AND RECORDING THE WEATHER

NAME OF LEARNER: _____

NAME OF SCHOOL: _____



DUE DATE:	MONITORING DATES:	Marks
		30

PROJECT: OBSERVING AND RECORDING THE WEATHER

For this project you will observe and record the weather every day at school for two weeks in August. The teacher should provide instructions and explain how the marks will be awarded. The steps below should be followed:

INSTRUCTIONS:

Step 1: Make your observations and measurements, and record them.

- 1.1. **Find an open space** in the school grounds.
- 1.2. **Find North**, and draw an arrow to show where it is. **Also mark West, East and South** and put a piece of cloth or tape on a stick to show the directions of the wind.
- 1.3. **Put the rain gauge** (instrument) on a level piece of ground, away from trees and buildings.
- 1.4. **Collect all the information each day** at the same time.
- 1.5. **Record your observations** and measurements in your table.

Step 2: Report back on your findings

- 2.1. Look at the record below (Figure 2) of each element of weather for the two weeks to see how things changed or stayed the same over the two weeks.

Step 3:

- 3.1. Mark with (X) on each day of your weather observation on a calendar below.

AUGUST 2022						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

www.free-printable-calendar.com

SEPTEMBER 2022						
SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

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4. Write in your neatest handwriting.

4.1. There are two tables below; One is for days 1- 5 as shown below, and the other for days 6 – 10

• Day 1 to day 5 table

WEATHER ELEMENT	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
1 Temperature (0°C) or words					
2 Rainfall (mm)					
3 Precipitation type					
4 Wind strength					
5 Wind direction (direction from which the wind is blowing)					
6 Cloud cover					

• Table for Day 6 to day 10

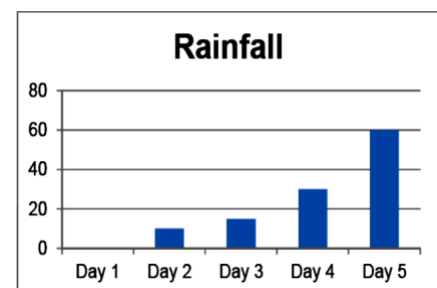
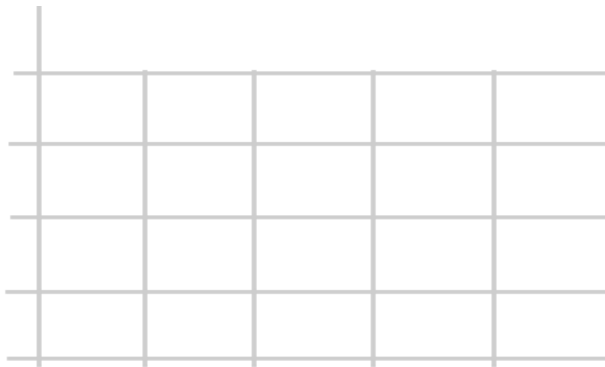
WEATHER ELEMENT	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
1 Temperature (0°C) or words					
2 Rainfall (mm)					
3 Precipitation type					
4 Wind strength					
5 Wind direction (direction from which the wind is blowing)					
6 Cloud cover					

5. Gather (or make) any instruments that you will use i.e. thermometer, windsock.

- 5.1. Sketch pictures of the following: a thermometer and a wind sock and write in your own words what each instrument is used for. $4 \div 2$ (2)

6. Complete a **bar graph**, using the data from **Figure 2**, to show rainfall. A bar graph uses parallel bars of different lengths to illustrate comparative aspects.

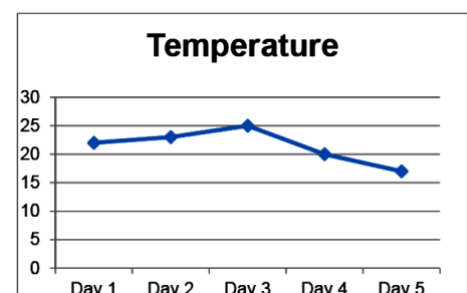
Example of a bar graph to show rainfall

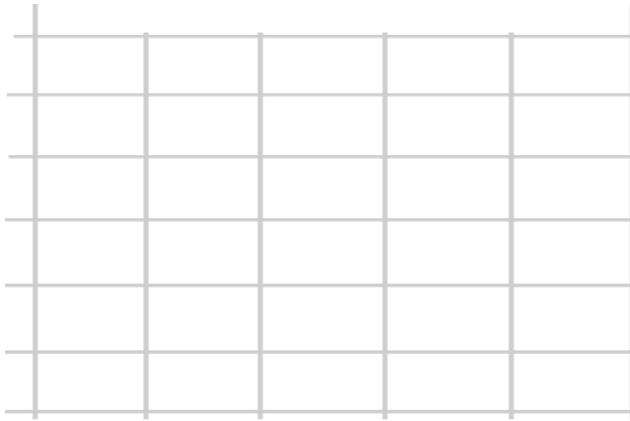


(2)

7. Draw a **line graph** to show temperature measurements for each week. Use the data in Figure 2. A line graph is a diagram of lines made by connected data points which represent the temperature. REMEMBER to give your graph a heading, and to label the axes.

Example of a line graph





(2)

8. Write a paragraph of 5 - 6 sentences to describe the weather patterns over two weeks, and how it affects people's lives. Use the words you have learned and any measurements you have made. (4)

9. Now make a summary by representing some weather condition observed in drawings.

- You may use colour when you do your drawings.

Date	Temperature minimum	Temperature maximum	Cloud cover (Draw)	Precipitation (Draw)	Wind speed and direction
Day 1					
Date:					
Day 2					
Date:					
Day 3					
Date:					
Day 4					
Date:					

Day 5					
Date:					
Day 6					
Date:					
Day 7					
Date:					
Day 8					
Date:					
Day 9					
Date:					
Day 10					
Date:					

10. Write **four** ways how weather the conditions affected you during the observed time. [2]

11. CONCLUSION

Write **two** sentences that describe the weather patterns for the two weeks you observed. [1]

Criteria for assessing the project

This criteria will be used to assess your project. Read it before you do your project so that you will get good marks.

Criteria	Mark allocation	
		Mark obtained
1. Record observation every day for five days.	5	
2. Uses appropriate descriptions for; • Temperature • Cloud cover • Precipitation • Wind • Sunny	8	
3. Measuring tools	2	
4. Provide clear, neat and attractive report.) Used different colours and bold letters.	4	
5. Makes clear and appropriate comments on weather patterns and how weather affects people.	4	
6. Bar graph presentation	4	
7. How weather affected you during your observation period?	2	
8. Conclusion	1	
TOTAL	30	

TOTAL MARKS FOR THE ABOVE CRITERIA:

Paragraph writing:

The paragraph may include the following aspects:

- The first four days were warm and dry.
- There were no clouds in the sky.
- It was calm.
- Everyone wore summer clothes.
- On day 5 it was overcast and cool.
- There was a light wind.
- Most people wore a jersey at school.
- It was cold and overcast on day 6 and there was a drizzle.
- The wind was moderate.
- We measured 5mm in our rain gauge.
- On day 7, it was partly cloudy and cool, but there was no rain.
- The rest of that week was fine, and it got warmer again.