Republic of the Philippines
Department of Education
NATIONAL CAPITAL REGION
DIVISION OF CITY SCHOOLS – VALENZUELA
DISIPLINA VILLAGE – BIGNAY NATIONAL HIGH SCHOOL
Sitio Ibaba St., Disiplina Village, Bignay, Valenzuela City

The Performance of Grade 9 in Science Examination Quarter 1 in Disiplina Village Bignay National High School S.Y 2025 – 2026

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I. Background of the Study

There are pupils who struggle with the subject science and needs help for improvement for their examination. This study aims to comprehend how 9th grade pupils perform in the science course. This seeks to ascertain whether pupils are struggling with the Science subject. The findings would help determine if students needs assistance with the subject.

II. Statement of the Problem

This research will help the researcher, teachers, and school identify the performance of Grade 9 in science examination Quarter 1 and see if they will be needing help once they have a failing score in Disiplina Village-Bignay National High School S.Y 2025-2026

III. Significance of the Study

The Grade 9 students will use this study to better understand how they performed on the Quarter 1 Science exam and pinpoint areas in which they still need to improve. Based on the outcomes of the pupils' examination scores, it will direct educators in refining their methods. The results could also be used by the school to develop initiatives that will improve pupils' academic achievement.

IV. Methodology

A. Research Design

Documentary analyses were used in conducting the mini-research. According to Glenn A. Bowen (2009), documentary analysis is a systematic procedure for reviewing or evaluating documents as a source of data in research, as explained in his article Document Analysis as a Qualitative Research Method, available on ERIC (**https://eric.ed.gov/**).

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B. Respondents

The Grade 9 students of Disiplina Village-Bignay National High School S.Y 2025-2026

C. Data Gathering

The score examinations of Grade 9 students that we've gathered from a Grade 9 teacher in science.

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D. Statistical Treatment Mean

The sum of all values divided by the number of addends.

Percentile - A score percentile represents the percentage of scores that are equal or below a certain score within a given sample.

Percentile rank - Percentile ranks indicate how a student performed compared to others in a norm group.

Mean = $\bar{x}$

$$\bar{x} = \frac{\sum fx}{N} = \frac{14,039}{334} = 42.01$$

$$P_{50} = LB\left(\frac{\frac{kN}{100} - < cf}{f}\right)cw$$

$$\frac{kN}{100} = \frac{50(334)}{100} = \frac{16,700}{100} = 167$$

$$Pr_{38} = \left[\frac{100}{N}\right]\left[\frac{(Pr - LB)f}{cw} + < cf\right]$$

$$\left[\frac{100}{334}\right]\left[\frac{(38 - 36.5)53}{5} + 223\right]$$

$$= (0.30)\left[\frac{(1.5)53}{5} + 223\right]$$

$$= (0.30)(238.9)$$

$$Pr = 71.67 \approx 72$$

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Class limits	*f*	*lb*	*cf*	*Class marks*	*fx*
47 - 51	12	46.5	334	72.5	510
42 - 46	46	41.5	322	65	2990
37 - 41	53	36.5	276	57.5	3047.5
32 - 36	46	31.5	223	50	2300
27 - 31	69	26.5	177	37.5	2587.5
22 – 26	50	21.5	100	35	1750
17 -21	29	16.5	58	27.5	247.5
12 - 16	22	11.5	29	20.5	451
7 - 11	7	6.5	7	21.5	150.5
cw: 5	f: 334				fx: 14,034

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V. Evaluation

- The mean of 338 Grade 9 Students a 50 items Quarter 1 Science Exam is 42.01 % or 42 %
- 50 % of 334 Grade 9 Students got a score of which is equal to or less than 30.78 %
- 72 % of 334 Grade 9 Students got a score of which is equal or less than 38 %

VI. Conclusion & Recommendation

Based on the result, it was affirmed that 334 Grade 9 Students who took a 50 item science examination has a 72% of students have a high scores as there are only a few students who got a failing grade and concludes that most has a passing grade.

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VII. Bibliography

https://eric.ed.gov/

https://www.youtube.com/watch?si=Kyro48bjWKgxnMYG&v=sIgfEHibk1s&feature=yo

utu.be

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