



COMPARATIVE ANALYSIS OF FIRST TERM EXAMINATION RESULT USING SPSS 2080



Introduction

This report provides the results of the comparative analysis of First Term Evaluation of the academic year 2080 B.S. This report does not provide information regarding the causes of increase or decrease in marks of the term wise evaluations.

Analyses were based on the marks obtained by the students out of 100 marks in each subject, i.e. percentage secured. The total 100 marks comprises Examination (Theory + Practical, or Theory wherever applicable) + Continuous Assessment System (CAS) marks. Evaluation of any subject was adjusted to 100 marks even if it was of less than 100 marks.

Methods

Data

The data were obtained from mark sheet ledgers:

- [DSS - Marksheet Ledger First Term Exam - 2080](#)

Referred by the Examination Committee Coordinator: Mrs. Ruby Labh.

Data Entry and Analysis

Data entry and statistical analyses were performed using the 'Statistical Package for the Social Science' (SPSS) Software (IBM, New York, US). Average marks obtained were compared by a statistical test (t-test). To compare the results from Grade I to XII, following hypotheses were set and tested:

Null Hypothesis (H_0): There is no significant difference in the performance between Second Semester Evaluation and First Semester Evaluation, i.e. $\mu_F = \mu_S$

Alternate Hypothesis (H_1): There is a significant difference in performance between Second Semester Evaluation and First Semester Evaluation, i.e. $\mu_F \neq \mu_S$

Level of Significance: The level of significance is defined as the probability (p) of rejecting a null hypothesis by the test when it is really true, which is denoted as α . A p-value of ≤ 0.05 is widely considered to be a statistically significant result. That is, p (Type I error) = α . Type I error is the rejection of a true null hypothesis (also known as a "false positive" finding). Type II error is failing to reject a false null hypothesis (also known as a "false negative" finding).

Results

Results were provided Grade-wise or section-wise if applicable.

Grade I - Kanchenjunga

The evaluation was based on 18 students. The table below provides **Mean and Median** marks obtained by Grade I - Kanchenjunga students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the Test Score and inference and conclusion were provided.

Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	
Nepali	80.0	80.0	81.2	81.4	0.65	In First Term, 50% of grade I - Kanchenjunga students scored >81.42 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that the first term and test score results are not significantly different.
English	80.0	80.0	85.7	87.7	0.01	In the First Term, 50% of grade I - Kanchenjunga students scored >87.67 in English. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Mathematics	80.0	80.0	91.6	92.9	0.00	In the First Term, 50% of grade I - Kanchenjunga students scored >92.92 in Mathematics. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Science	80.0	80.0	85.2	87.3	0.03	In the First Term, 50% of grade I - Kanchenjunga students scored >87.34 in Science. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Hamro Serofero	80.0	80.0	88.0	90.0	0.00	In the First Term, 50% of grade I - Kanchenjunga students scored >90.02 in Hamro Serofero. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

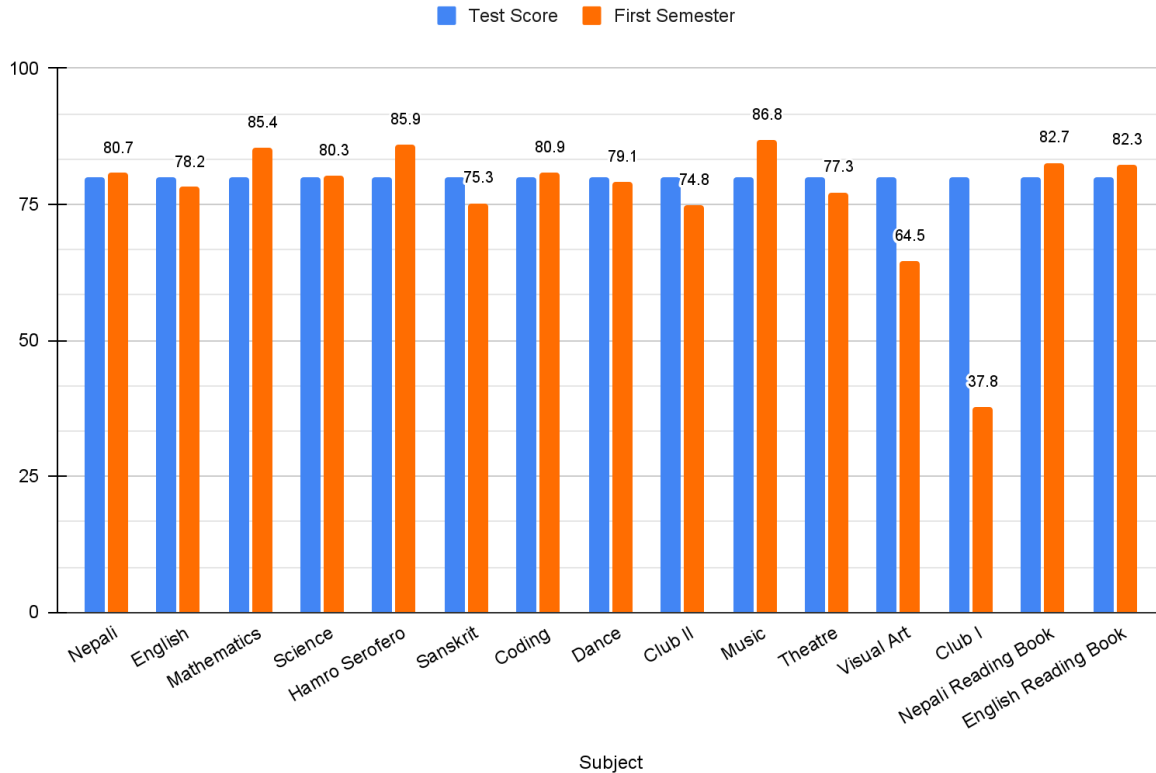
Sanskrit	80.0	80.0	81.2	79.7	0.42	In the First Term, 50% of grade I - Kanchenjunga students scored >79.6 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Coding	80.0	80.0	78.3	76.9	0.29	In the First Term, 50% of grade I - Kanchenjunga students scored >76.93 in Coding. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Dance	80.0	80.0	78.8	78.8	0.06	In the First Term, 50% of grade I - Kanchenjunga students scored >78.8 in Dance. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Club II	80.0	80.0	87.3	89.2	0.00	In the First Term, 50% of grade I - Kanchenjunga students scored >89.2 in Club II. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Music	80.0	80.0	63.7	63.4	0.00	In the First Term, 50% of grade I - Kanchenjunga students scored >63.4 in Music. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Theatre	80.0	80.0	75.1	73.9	0.00	In the First Term, 50% of grade I - Kanchenjunga students scored >73.9 in Theatre. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Visual Art	80.0	80.0	80.4	79.3	0.67	In the First Term, 50% of grade I - Kanchenjunga students scored >79.3 in Visual Art. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Yoga & Meditation	80.0	80.0	84.3	84.3	0.00	In the First Term, 50% of grade I - Kanchenjunga students scored >84.3 in Yoga & Meditation. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

Club I	80.0	80.0	92.2	91.6	0.00	In the First Term, 50% of grade I - Kanchenjunga students scored >91.58 in Club I. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Nepali Reading Book	80.0	80.0	70.2	70.3	0.00	In the First Term, 50% of grade I - Kanchenjunga students scored >70.3 in Nepali Reading Book. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
English Reading Book	80.0	80.0	71.1	71.2	0.00	In the First Term, 50% of grade I - Kanchenjunga students scored >71.2 in English Reading Book. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.

In Semester I

- Average marks **significantly increased** in **English, Mathematics, Science, Hamro Serofero and Club-II**. ($p < 0.05$).
- Average marks **significantly decreased** in **Music, Theatre, Yoga & Meditation, Club-I, Nepali Reading Book and English Reading Book**. ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade I - Kanchenjunga students in the First Term Examination. From the graph, it is noticeable that the average marks have increased appreciably in **Mathematics, Hamro Serofero, Music, Nepali Reading Book and English Reading Book** as compared to Test Score. However, the marks have slightly declined in **English, Sanskrit, Club-II, Theatre , Visual Art and Club-I**. The Grade I - Kanchenjunga students have shown satisfactory performance in First Term.

Grade I - Lhotse

The evaluation was based on 20 students. The table below provides **Mean and Median** marks obtained by Grade I-Lhotse students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with Test Score, and inference and conclusion were provided.

Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	

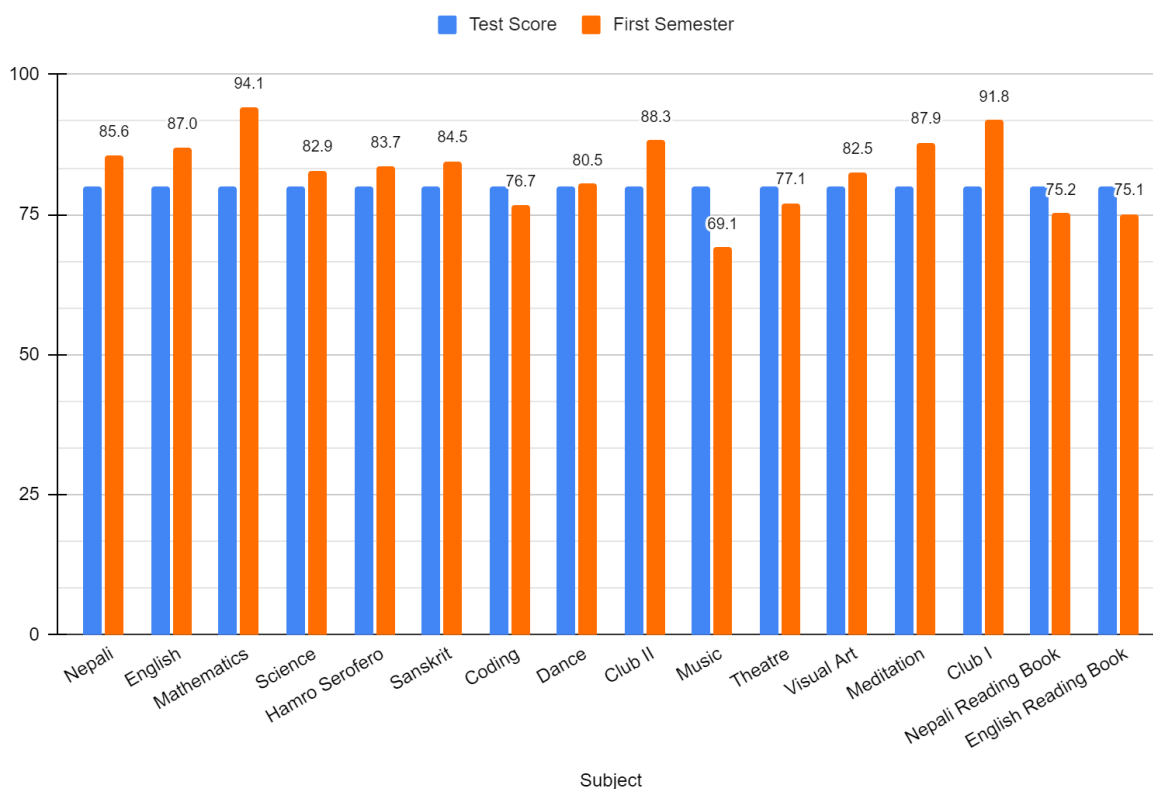
Nepali	80.0	80.0	85.6	89.4	0.16	In First Term, 50% of grade I - Lhotse students scored >89.4 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
English	80.0	80.0	87.0	89.2	0.01	In First Term, 50% of grade I - Lhotse students scored >89.2 in English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Mathematics	80.0	80.0	94.1	96.8	0.00	In First Term, 50% of grade I - Lhotse students scored >96.75 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Science	80.0	80.0	82.9	84.8	0.33	In First Term, 50% of grade I - Lhotse students scored >84.78 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Hamro Serofero	80.0	80.0	83.7	86.5	0.22	In First Term, 50% of grade I - Lhotse students scored >86.47 in Hamro Serofero. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Sanskrit	80.0	80.0	84.5	84.8	0.04	In First Term, 50% of grade I - Lhotse students scored >84.81 in Sanskrit. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Coding	80.0	80.0	76.7	76.5	0.02	In First Term, 50% of grade I - Lhotse students scored >76.54 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Dance	80.0	80.0	80.5	79.8	0.56	In First Term, 50% of grade I - Lhotse students scored >79.75 in Dance. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Club II	80.0	80.0	88.3	88.1	0.00	In First Term, 50% of grade I - Lhotse students scored >88.1 in Club II. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

Music	80.0	80.0	69.1	68.9	0.00	In First Term, 50% of grade I - Lhotse students scored >68.9 in Music. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Theatre	80.0	80.0	77.1	76.8	0.04	In First Term, 50% of grade I - Lhotse students scored >76.8 in Theatre. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Visual Art	80.0	80.0	82.5	82.2	0.02	In First Term, 50% of grade I - Lhotse students scored >82.2 in Visual Art. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Meditation	80.0	80.0	87.9	88.0	0.00	In First Term, 50% of grade I - Lhotse students scored >88.03 in Meditation. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Club I	80.0	80.0	91.8	92.3	0.00	In First Term, 50% of grade I - Lhotse students scored >92.26 in Club I. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Nepali Reading Book	80.0	80.0	75.2	75.4	0.02	In First Term, 50% of grade I - Lhotse students scored >75.4 in Nepali Reading Book. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
English Reading Book	80.0	80.0	75.1	75.3	0.01	In First Term, 50% of grade I - Lhotse students scored >75.25 in English Reading Book. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.

In Semester I

- Average marks **significantly increased** in **English, Mathematics, Sanskrit , Club-II, Visual Art, Meditation and Club-I** ($p < 0.05$).
- Average marks **significantly decreased** in **Coding, Music, Theatre , Nepali Reading Book and English Reading Book**. ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade I - Lhotse students in First Term. From the graph, it is noticeable that the average marks have increased appreciably in **Nepali, English, Mathematics, Club-II, Meditation and Club-I** as compared to Test Score. However, the marks have slightly declined in **Music, Nepali Reading Book and English Reading Book**. The Grade I - Lhotse students have shown satisfactory performance in First Term.

Grade II - Makalu

The evaluation was based on 24 students. The table below provides **Mean and Median** marks obtained by Grade II - Makalu students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the Test Score and inference and conclusion were provided.

Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	

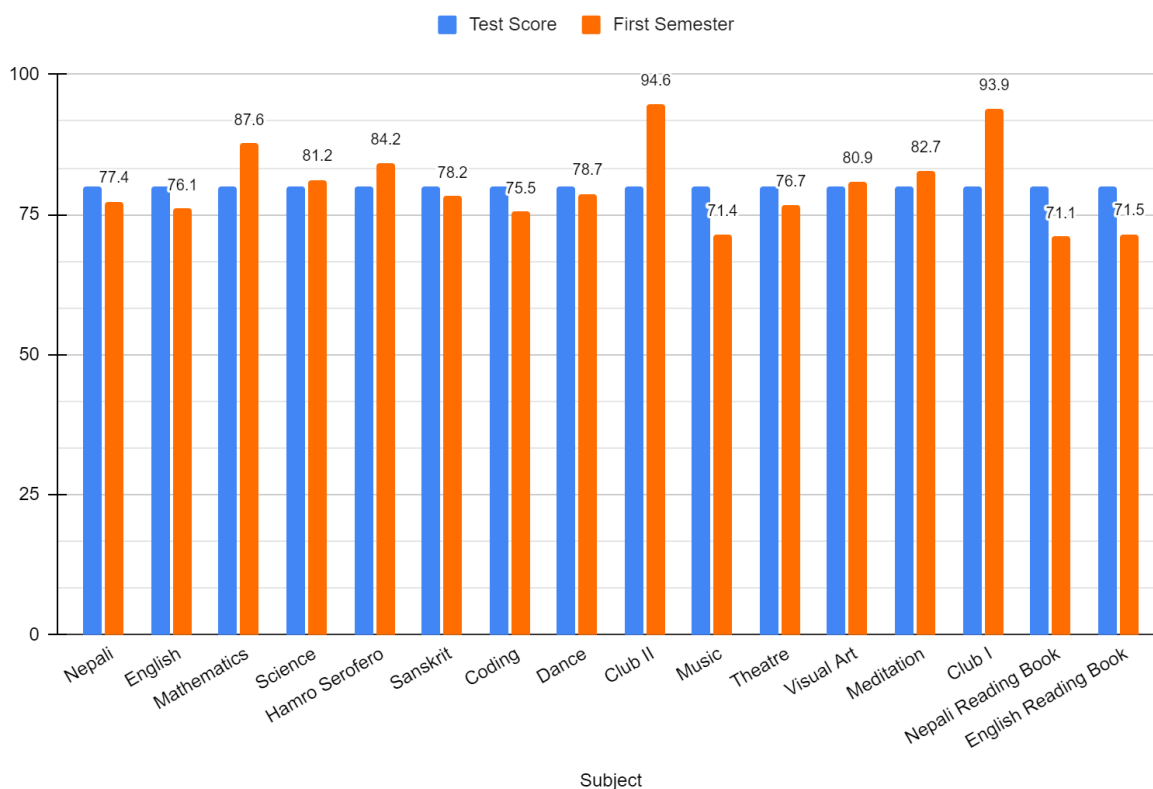
Nepali	80.0	80.0	77.4	78.6	0.24	In First Term, 50% of grade II - Makalu students scored >78.62 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
English	80.0	80.0	76.1	76.3	0.02	In First Term, 50% of grade II - Makalu students scored >76.26 in English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Mathematics	80.0	80.0	87.6	88.4	0.00	In First Term, 50% of grade II - Makalu students scored >88.38 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Science	80.0	80.0	81.2	83.1	0.52	In First Term, 50% of grade II - Makalu students scored >83.1 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Hamro Serofero	80.0	80.0	84.2	83.1	0.00	In First Term, 50% of grade II - Makalu students scored >83.1 in Hamro Serofero. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Sanskrit	80.0	80.0	78.2	77.3	0.31	In First Term, 50% of grade II - Makalu students scored >77.31 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Coding	80.0	80.0	75.5	75.9	0.01	In First Term, 50% of grade II - Makalu students scored >75.87 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Dance	80.0	80.0	78.7	79.3	0.03	In First Term, 50% of grade II - Makalu students scored >79.26 in Dance. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Club II	80.0	80.0	94.6	94.5	0.00	In First Term, 50% of grade II - Makalu students scored >94.5 in Club II. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

Music	80.0	80.0	71.4	71.0	0.00	In First Term, 50% of grade II - Makalu students scored >71 in Music. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Theatre	80.0	80.0	76.7	75.9	0.08	In First Term, 50% of grade II - Makalu students scored >75.9 in Theatre. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Visual Art	80.0	80.0	80.9	81.4	0.27	In First Term, 50% of grade II - Makalu students scored >81.4 in Visual Art. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Meditation	80.0	80.0	82.7	83.3	0.02	In First Term, 50% of grade II - Makalu students scored >83.3 in Meditation. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Club I	80.0	80.0	93.9	94.3	0.00	In First Term, 50% of grade II - Makalu students scored >94.3 in Club I. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Nepali Reading Book	80.0	80.0	71.1	66.9	0.00	In First Term, 50% of grade II - Makalu students scored >66.9 in Nepali Reading Book. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
English Reading Book	80.0	80.0	71.5	70.7	0.00	In First Term, 50% of grade II - Makalu students scored >70.7 in English Reading Book. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.

In Semester I

- Average marks **significantly increased** in **Mathematics, Hamro Serofero, Club-II, Meditation and Club-I.** ($p < 0.05$).
- Average marks **significantly decreased** in **English, Coding, Dance, Music, Nepali Reading Book and English Reading Book.** ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph depicts the average marks of different subjects obtained by Grade II- Makalu students in First Term. Overall, there is an upward trend in average marks obtained by students in **Club-II and Club-I** as compared to Test Scores.. However, the marks have declined noticeably in **Nepali Reading Book and English Reading Book**.

Grade II - Cho Oyu

The evaluation was based on 24 students. The table below provides **Mean and Median** marks obtained by Grade II - Cho Oyu students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the Test Score, and inference and conclusion were provided.

Subject	Test Score		First Semester		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	

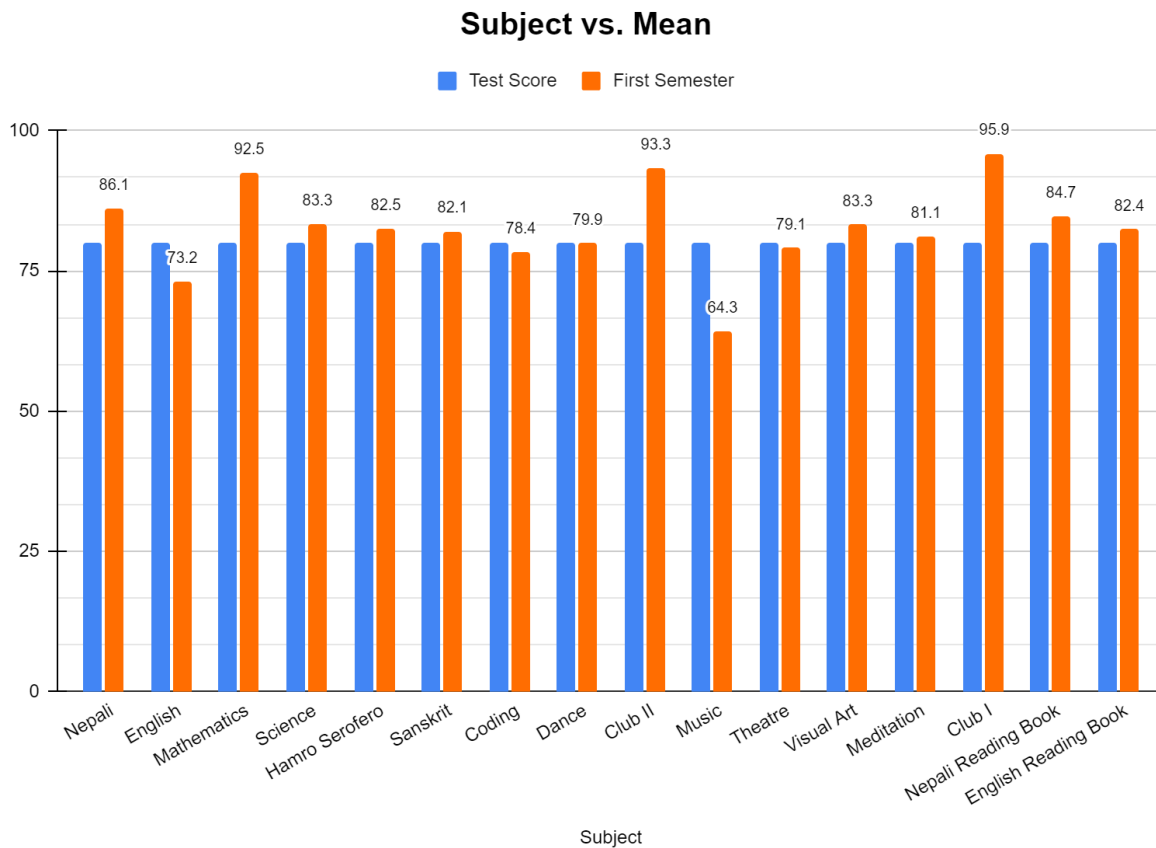
Nepali	80.0	80.0	86.1	86.9	0.00	In First Term, 50% of grade II - Cho Oyu students scored >86.86 in Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
English	80.0	80.0	73.2	78.9	0.10	In First Term, 50% of grade II - Cho Oyu students scored >78.87 in English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Mathematics	80.0	80.0	92.5	96.1	0.00	In First Term, 50% of grade II - Cho Oyu students scored >96.12 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Science	80.0	80.0	83.3	84.8	0.04	In First Term, 50% of grade II - Cho Oyu students scored >84.7625 in Science. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Hamro Serofero	80.0	80.0	82.5	83.6	0.07	In First Term, 50% of grade II - Cho Oyu students scored >83.625 in Hamro Serofero. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Sanskrit	80.0	80.0	82.1	82.1	0.31	In First Term, 50% of grade II - Cho Oyu students scored >82.09166666666667 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Coding	80.0	80.0	78.4	80.1	0.36	In First Term, 50% of grade II - Cho Oyu students scored >80.05 in Coding. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Dance	80.0	80.0	79.9	80.0	0.81	In First Term, 50% of grade II - Cho Oyu students scored >79.9565789473684 in Dance. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

Club II	80.0	80.0	93.3	93.2	0.00	In First Term, 50% of grade II - Cho Oyu students scored >93.2 in Club II. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Music	80.0	80.0	64.3	64.6	0.00	In First Term, 50% of grade II - Cho Oyu students scored >64.6 in Music. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Theatre	80.0	80.0	79.1	79.2	0.46	In First Term, 50% of grade II - Cho Oyu students scored >79.2 in Theatre. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Visual Art	80.0	80.0	83.3	83.3	0.00	In First Term, 50% of grade II - Cho Oyu students scored >83.3125 in Visual Art. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Meditation	80.0	80.0	81.1	80.9	0.35	In First Term, 50% of grade II - Cho Oyu students scored >80.9 in Meditation. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Club I	80.0	80.0	95.9	96.0	0.00	In First Term, 50% of grade II - Cho Oyu students scored >96 in Club I. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Nepali Reading Book	80.0	80.0	84.7	85.7	0.04	In First Term, 50% of grade II - Cho Oyu students scored >85.7 in Nepali Reading Book. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
English Reading Book	80.0	80.0	82.4	83.6	0.09	In the First Term, 50% of grade II - Cho Oyu students scored >83.6461538461539 in the English- Reading Book. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

In Semester I

- Average marks **significantly increased** in **Nepali, Mathematics, Science, Visual Art, Club-II and Club-I.** ($p < 0.05$).

- Average marks **significantly decreased** in **Music** . ($p < 0.05$).
- In the rest of the subjects, marks obtained were not statistically significant. ($p > 0.05$).



The bar graph illustrates the average marks of different subjects obtained by Grade II - Cho Oyu students in First Term. Compared to Test Score, there is an upward trend in average marks obtained by students in **Nepali, Mathematics, Club-II and Club-I** . However, there is a slight decline in average marks in few subjects such as **Music and English**.

Grade III - Dhaulagiri

The evaluation was based on 20 students. The table below provides **Mean and Median** marks obtained by Grade III - Dhaulagiri students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the Test Score examination, and inference and conclusion were provided.

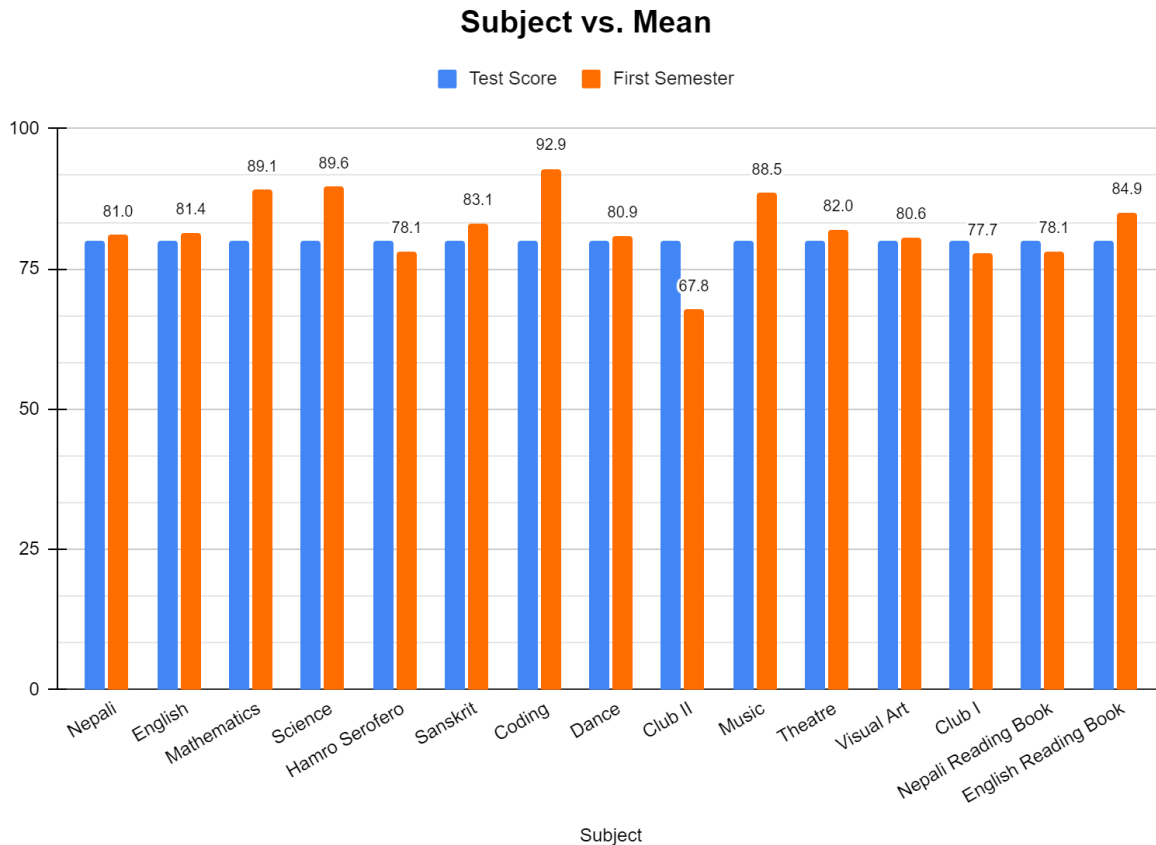
Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	
Nepali	80.0	80.0	81.0	80.7	0.61	In the first term, 50% of grade III -Dhaulagiri students scored >80.6625 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
English	80.0	80.0	81.4	83.4	0.39	In the first term, 50% of grade III Dhaulagiri students scored >83.44895833333333 in English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Mathematics	80.0	80.0	89.1	90.6	0.00	In the first term, 50% of grade III Dhaulagiri students scored >90.6435185185185 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Science	80.0	80.0	89.6	93.2	0.00	In the first term, 50% of grade III Dhaulagiri students scored >93.20694444444445 in Science. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Hamro Serofero	80.0	80.0	78.1	78.0	0.46	In the first term, 50% of grade III Dhaulagiri students scored >78 in Hamro Serofero. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Sanskrit	80.0	80.0	83.1	84.5	0.27	In the first term, 50% of grade III Dhaulagiri students scored >84.5178571428572 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Coding	80.0	80.0	92.9	92.6	0.00	In the first term, 50% of grade III Dhaulagiri students scored >92.625 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

Dance	80.0	80.0	80.9	81.7	0.59	In the first term, 50% of grade III Dhaulagiri students scored >81.65 in Dance. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Club II	80.0	80.0	67.8	66.0	0.00	In the first term, 50% of grade III Dhaulagiri students scored >65.95 in Club II. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Music	80.0	80.0	88.5	90.0	0.00	In the first term, 50% of grade III Dhaulagiri students scored >90 in Music. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Theatre	80.0	80.0	82.0	84.5	0.35	In the first term, 50% of grade III Dhaulagiri students scored >84.525 in Theatre. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Visual Art	80.0	80.0	80.6	79.4	0.78	In the first term, 50% of grade III Dhaulagiri students scored >79.35 in Visual Art. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Club I	80.0	80.0	77.7	82.5	0.32	In the first term, 50% of grade III Dhaulagiri students scored >82.45 in Club I. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Nepali Reading Book	80.0	80.0	78.1	80.9	0.57	In the first term, 50% of grade III Dhaulagiri students scored >80.9 in Nepali Reading Book. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
English Reading Book	80.0	80.0	84.9	90.5	0.14	In the first term, 50% of grade III Dhaulagiri students scored >90.5 in English Reading Book. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

In Semester I

- Average marks **significantly increased** in **Mathematics, Science, Coding and Music**. ($p < 0.05$).
- Average marks **significantly decreased** in **Club-II**. ($p < 0.05$).

- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).



The bar graph illustrates the average marks of different subjects obtained by Grade III - Dhaulagiri students in First Term. The average marks substantially increased in **Mathematics, Science, Coding, Music and English Reading Book**. There is a decreasing trend in marks obtained in **Club-II**.

Grade III - Manaslu

The evaluation was based on 22 students. The table below provides **Mean and Median** marks obtained by Grade III - Manaslu students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the Test Score, and inference and conclusion were provided.

Subject	Test Score		First Semester		Inference	Conclusion
	Test Score	Median I	Semester I	Median II	P-Value	

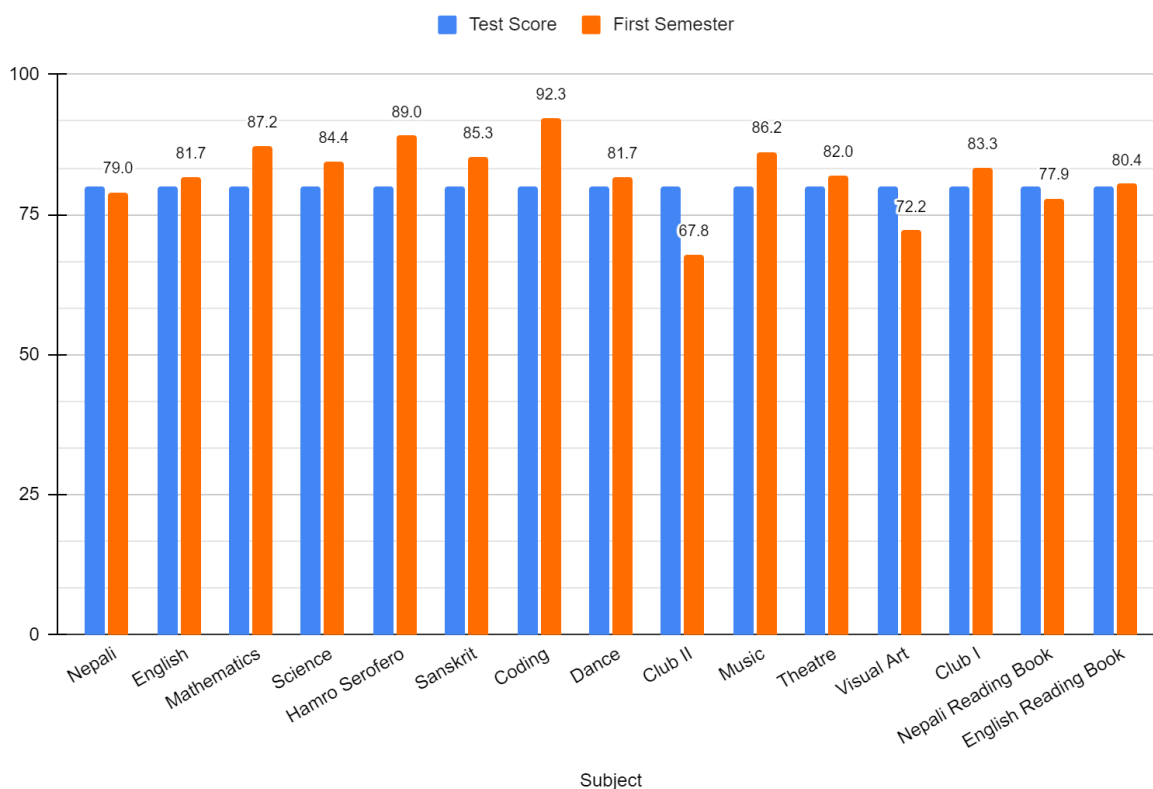
Nepali	80.0	80.0	79.0	83.4	0.71	In First Term, 50% of grade III - Manaslu students scored >83.3875 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
English	80.0	80.0	81.7	84.2	0.43	In First Term, 50% of grade III - Manaslu students scored >84.2125 in English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Mathematics	80.0	80.0	87.2	89.1	0.00	In First Term, 50% of grade III - Manaslu students scored >89.1203703703704 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Science	80.0	80.0	84.4	87.8	0.09	In First Term, 50% of grade III - Manaslu students scored >87.8364814814815 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Hamro Serofero	80.0	80.0	89.0	90.8	0.00	In First Term, 50% of grade III - Manaslu students scored >90.75 in Hamro Serofero. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Sanskrit	80.0	80.0	85.3	85.2	0.05	In First Term, 50% of grade III - Manaslu students scored >85.2142857142857 in Sanskrit. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Coding	80.0	80.0	92.3	92.3	0.00	In First Term, 50% of grade III - Manaslu students scored >92.25 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Dance	80.0	80.0	81.7	83.2	0.27	In First Term, 50% of grade III - Manaslu students scored >83.2 in Dance. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

Club II	80.0	80.0	67.8	68.7	0.00	In First Term, 50% of grade III - Manaslu students scored >68.65 in Club II. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Music	80.0	80.0	86.2	89.7	0.01	In First Term, 50% of grade III - Manaslu students scored >89.65 in Music. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Theatre	80.0	80.0	82.0	84.5	0.35	In First Term, 50% of grade III - Manaslu students scored >84.525 in Theatre. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Visual Art	80.0	80.0	72.2	70.7	0.00	In First Term, 50% of grade III - Manaslu students scored >70.65 in Visual Art. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Club I	80.0	80.0	83.3	87.0	0.35	In First Term, 50% of grade III - Manaslu students scored >87 in Club I. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Nepali Reading Book	80.0	80.0	77.9	79.2	0.50	In First Term, 50% of grade III - Manaslu students scored >79.2 in Nepali Reading Book. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
English Reading Book	80.0	80.0	80.4	80.7	0.76	In First Term, 50% of grade III - Manaslu students scored >80.7 in English Reading Book. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

In Semester I

- Average marks **significantly increased in Mathematics, Hamro Serofero, Sanskrit, Coding and Music.** ($p < 0.05$).
- Average marks **significantly decreased in Club-II and Visual Art.** ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade III - Manaslu students in First Term. The average marks substantially increased in **Mathematics, Hamro Serofero, Coding and Music**. While marks substantially decreased in **Club-II and Visual Art**. Overall, there is an upward trend in average marks obtained by Grade III - Manaslu students in First Term.

Grade III - Nilgiri

The evaluation was based on 16 students. The table below provides **Mean and Median** marks obtained by Grade III - Dhaulagiri students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the Test Score, and inference and conclusion were provided.

Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	
Nepali	80.0	80.0	80.7	85.1	0.88	In firstTerm, 50% of grade III - Nilgiri students scored >85.11458333333333 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

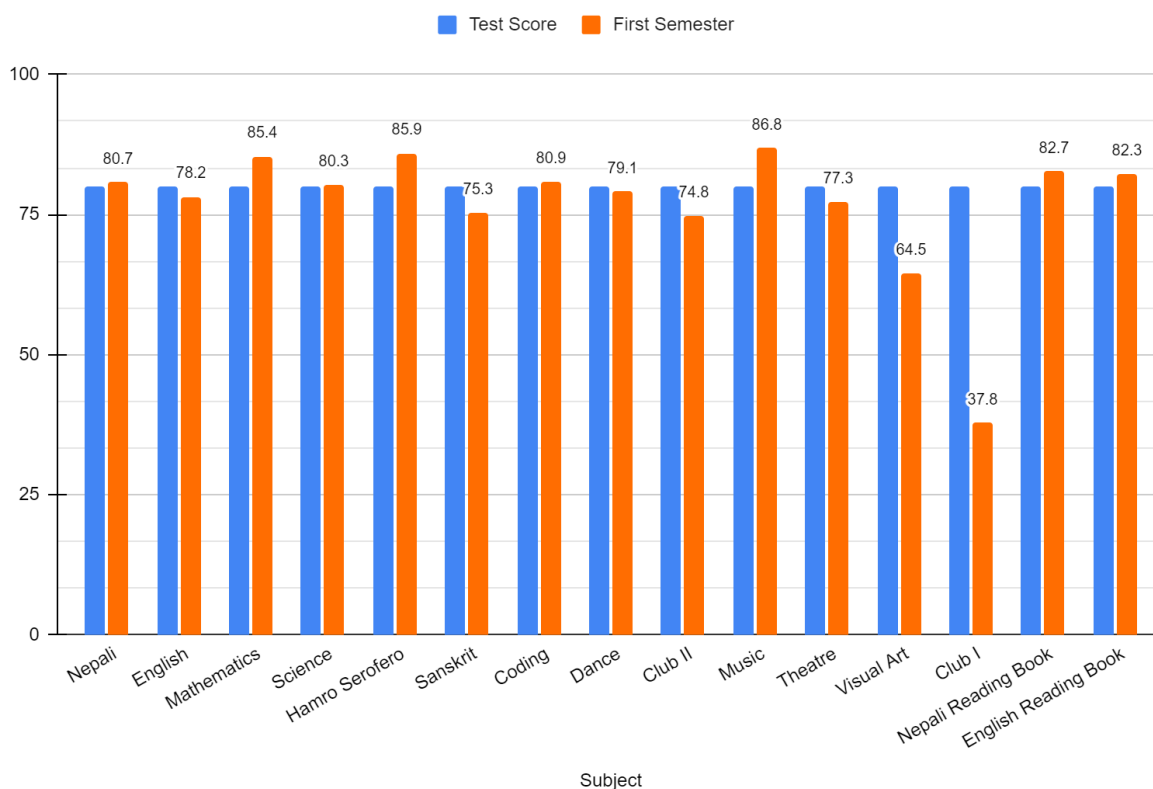
English	80.0	80.0	78.2	84.1	0.67	In firstTerm, 50% of grade III - Nilgiri students scored >84.1125 in English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Mathematics	80.0	80.0	85.4	89.7	0.25	In firstTerm, 50% of grade III - Nilgiri students scored >89.6921296296296 in Mathematics. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Science	80.0	80.0	80.3	89.2	0.96	In the First Term, 50% of grade III - Nilgiri students scored >89.1916666666667 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Hamro Serofero	80.0	80.0	85.9	91.7	0.20	In FirstTerm, 50% of grade III - Nilgiri students scored >91.7375 in Hamro Serofero. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Sanskrit	80.0	80.0	75.3	76.2	0.35	In FirstTerm, 50% of grade III - Nilgiri students scored >76.1964285714286 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Coding	80.0	80.0	80.9	90.5	0.86	In FirstTerm, 50% of grade III - Nilgiri students scored >90.5 in Coding. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Dance	80.0	80.0	79.1	84.2	0.87	In FirstTerm, 50% of grade III - Nilgiri students scored >84.2 in Dance. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Club II	80.0	80.0	74.8	77.5	0.35	In FirstTerm, 50% of grade III - Nilgiri students scored >77.5 in Club II. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Music	80.0	80.0	86.8	92.5	0.27	In FirstTerm, 50% of grade III - Nilgiri students scored >92.5 in Music. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

Theatre	80.0	80.0	77.3	83.1	0.62	In FirstTerm, 50% of grade III - Nilgiri students scored >83.1 in Theatre. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Visual Art	80.0	80.0	64.5	67.9	0.01	In FirstTerm, 50% of grade III - Nilgiri students scored >67.9 in Visual Art. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Club I	80.0	80.0	37.8	39.6	0.00	In FirstTerm, 50% of grade III - Nilgiri students scored >39.575 in Club I. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Nepali Reading Book	80.0	80.0	82.7	81.2	0.32	In First Term, 50% of grade III - Nilgiri students scored >81.2 in Nepali Reading Book. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
English Reading Book	80.0	80.0	82.3	86.2	0.40	In First Term, 50% of grade III - Nilgiri students scored >86.2 in English Reading Book. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

In Semester I

- Average marks **significantly decreased** in **Visual Art and Club-I.** ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade III - Dhaulagiri students in First Term. The average marks substantially increased in **Mathematics, Hamro Serofero and Music**. There is a decreasing trend in marks obtained in **Visual Art and Club-I**.

Grade IV - Annapurna

The evaluation was based on 23 students. The table below provides **Mean and Median** marks obtained by grade IV - Annapurna students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the test score, and inference and conclusion were provided.

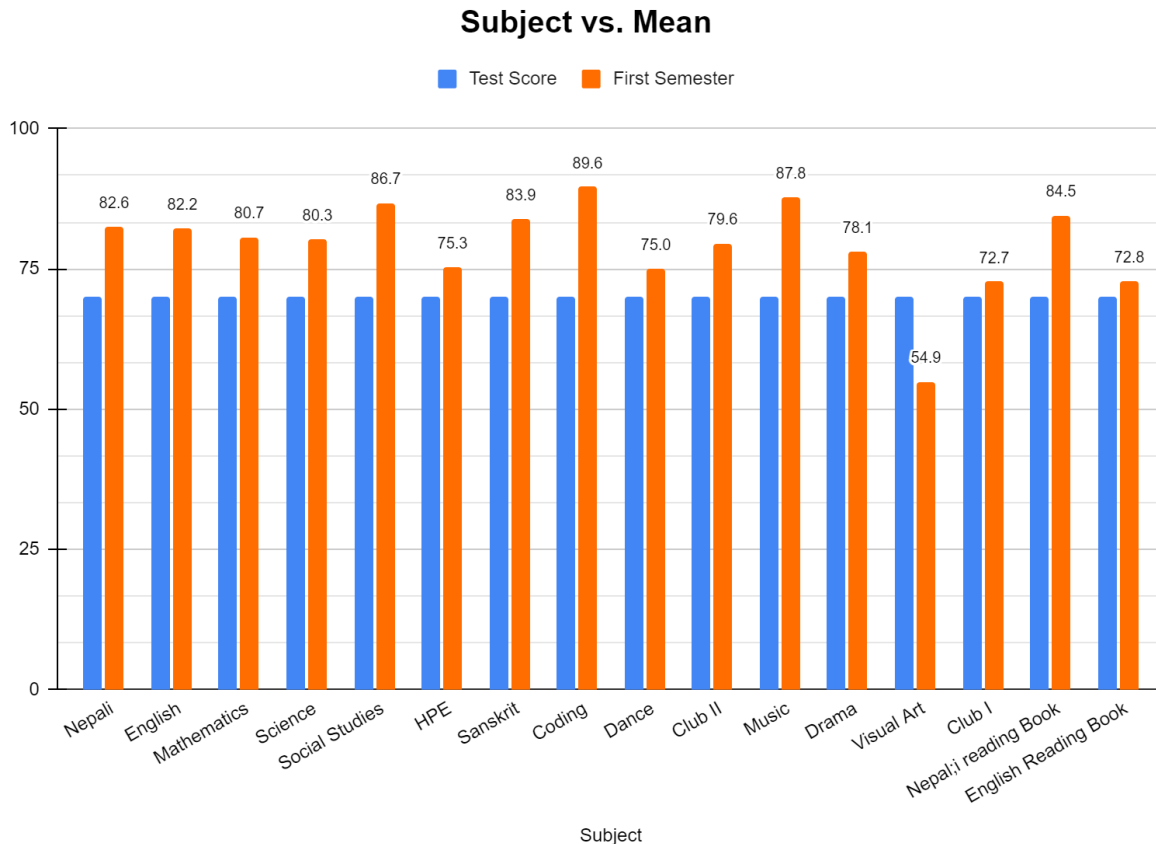
Subject	Test Score		First Semester		Inference	Conclusion
	Test Score	Median I	Semester I	Median II	P-Value	
Nepali	70.0	70.0	82.6	85.9	0.00	In first semester, 50% of grade IV - Annapurna students scored >85.9050925925926 in Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant

						increase.
English	70.0	70.0	82.2	84.5	0.00	In first semester, 50% of grade IV - Annapurna students scored >84.4625 in English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
Mathematics	70.0	70.0	80.7	83.8	0.00	In first semester, 50% of grade IV - Annapurna students scored >83.75 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
Science	70.0	70.0	80.3	81.3	0.00	In first semester, 50% of grade IV - Annapurna students scored >81.28333333333333 in Science. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
Social Studies	70.0	70.0	86.7	88.7	0.00	In first semester, 50% of grade IV - Annapurna students scored >88.6875 in Social Studies. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
HPE	70.0	70.0	75.3	76.6	0.04	In first semester, 50% of grade IV - Annapurna students scored >76.625 in HPE. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
Sanskrit	70.0	70.0	83.9	84.2	0.00	In first semester, 50% of grade IV - Annapurna students scored >84.202380952381 in Sanskrit. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
Coding	70.0	70.0	89.6	89.8	0.00	In first semester, 50% of grade IV - Annapurna students scored >89.75 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.

Dance	70.0	70.0	75.0	75.0	0.00	In first semester, 50% of grade IV - Annapurna students scored >75 in Dance. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
Club II	70.0	70.0	79.6	82.8	0.00	In first semester, 50% of grade IV - Annapurna students scored >82.8 in Club II. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
Music	70.0	70.0	87.8	90.0	0.00	In first semester, 50% of grade IV - Annapurna students scored >90 in Music. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
Drama	70.0	70.0	78.1	77.6	0.00	In first semester, 50% of grade IV - Annapurna students scored >77.6 in Drama. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
Visual Art	70.0	70.0	54.9	54.8	0.00	In first semester, 50% of grade IV - Annapurna students scored >54.8 in Visual Art. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant decrease.
Club I	70.0	70.0	72.7	68.0	0.44	In first semester, 50% of grade IV - Annapurna students scored >68 in Club I. Since $p > \alpha$, we retain null hypothesis and conclude that first semester and test score results are not significantly different.
Nepal;i reading Book	70.0	70.0	84.5	84.6	0.00	In first semester, 50% of grade IV - Annapurna students scored >84.6 in Nepal;i reading Book. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first semester and test score results are significantly different. There is a significant increase.
English Reading Book	70.0	70.0	72.8	72.6	0.27	In first semester, 50% of grade IV - Annapurna students scored >72.6 in English Reading Book. Since $p > \alpha$, we retain null hypothesis and conclude that first semester and test score results are not significantly different.

In Semester I:

- Average marks **significantly increased** in **Nepali, English, Mathematics, Science , Social , HPE , Sanskrit, Coding, Dance, Club-II, Music, Drama and Nepali Reading Book**. ($p < 0.05$).
- Average marks **significantly decreased** in **Visual Art**. ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).



The bar graph illustrates the average marks of different subjects obtained by Grade IV - Annapurna students in First Term. Overall, there is an increasing trend in average marks obtained by students in First Term. The average marks substantially increased in **Nepali, English, Mathematics, Science , Social , HPE , Sanskrit, Coding, Dance, Club-II, Music, Drama and Nepali Reading Book**. However, the marks have declined in **Visual Arts**.

Grade IV - Himalchuli

The evaluation was based on 18 students. The table below provides **Mean and Median** marks obtained by Grade IV - Himalchuli students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the Test Score, and inference and conclusion were provided.

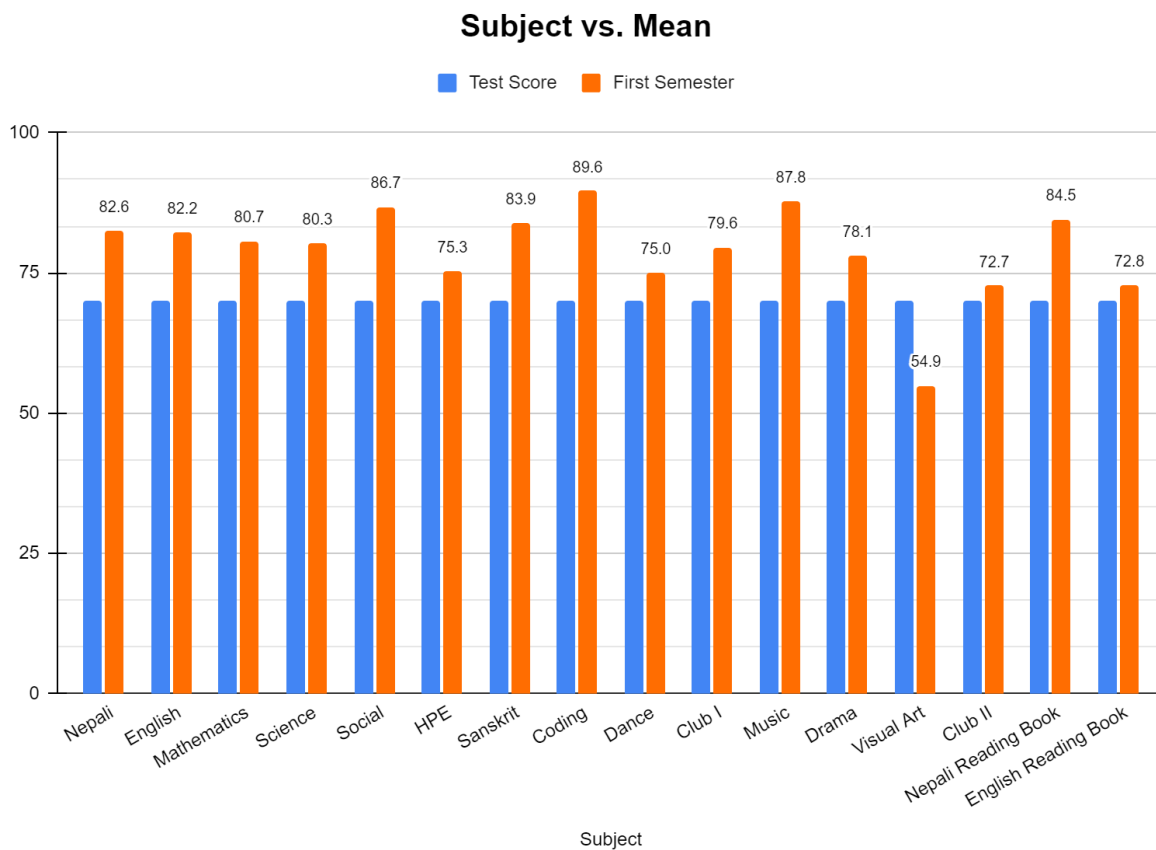
Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	
Nepali	70.0	70.0	83.3	84.2	0.00	In the first term, 50% of grade IV - Himalchuli students scored >84.23611111111111 in Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
English	70.0	70.0	83.1	86.6	0.00	In the first term, 50% of grade IV - Himalchuli students scored >86.625 in English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Mathematics	70.0	70.0	83.5	88.2	0.00	In the first term, 50% of grade IV - Himalchuli students scored >88.1898148148148 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Science	70.0	70.0	75.9	76.8	0.04	In the first term, 50% of grade IV - Himalchuli students scored >76.8 in Science. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Social	70.0	70.0	84.6	87.3	0.00	In first term, 50% of grade IV - Himalchuli students scored >87.25 in Social. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
HPE	70.0	70.0	72.8	74.4	0.35	In the first term, 50% of grade IV - Himalchuli students scored >74.4 in HPE. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Sanskrit	70.0	70.0	83.7	84.5	0.00	In the first term, 50% of grade IV - Himalchuli students scored >84.452380952381 in Sanskrit. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

Coding	70.0	70.0	90.0	89.6	0.00	In the first term, 50% of grade IV - Himalchuli students scored >89.625 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Dance	70.0	70.0	77.9	79.2	0.00	In first term, 50% of grade IV - Himalchuli students scored >79.2 in Dance. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Club I	70.0	70.0	66.5	68.0	0.01	In first term, 50% of grade IV - Himalchuli students scored >68 in Club I. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Music	70.0	70.0	89.7	90.0	0.00	In first term, 50% of grade IV - Himalchuli students scored >90 in Music. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Drama	70.0	70.0	76.5	75.6	0.00	In first term, 50% of grade IV - Himalchuli students scored >75.6 in Drama. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Visual Art	70.0	70.0	71.6	71.6	0.58	In the first term, 50% of grade IV - Himalchuli students scored >71.6 in Visual Art. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Club II	70.0	70.0	80.7	76.0	0.00	In first term, 50% of grade IV - Himalchuli students scored >76 in Club II. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Nepali Reading Book	70.0	70.0	87.5	88.4	0.00	In the first term, 50% of grade IV - Himalchuli students scored >88.4 in Nepali Reading Book. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

English Reading Book	70.0	70.0	86.9	88.8	0.00	In the first term, 50% of grade IV - Himalchuli students scored >88.8 in English Reading Book. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
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In Semester I

- Average marks **significantly increased** in **Nepali, English, Mathematics, Science, Social, Sanskrit, Coding, Dance, Music, Drama, Club-II, Nepali Reading Book and English Reading Book.** ($p < 0.05$).
- Average marks **significantly decreased** in **Club-I.** ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).



The bar graph illustrates the average marks of different subjects obtained by Grade IV - Himalchuli students in First Term. Overall, there is an increasing trend in average marks obtained by students in First Term. The average marks substantially increased in **Nepali, English, Mathematics, Science, Social, Sanskrit, Coding, Music and Nepali Reading Book.** However, the marks have declined in **Visual Art.**

Grade V - Nuptse

The evaluation was based on 20 students. The table below provides **Mean and Median** marks obtained by grade V- Nuptse students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the test score, and inference and conclusion were provided.

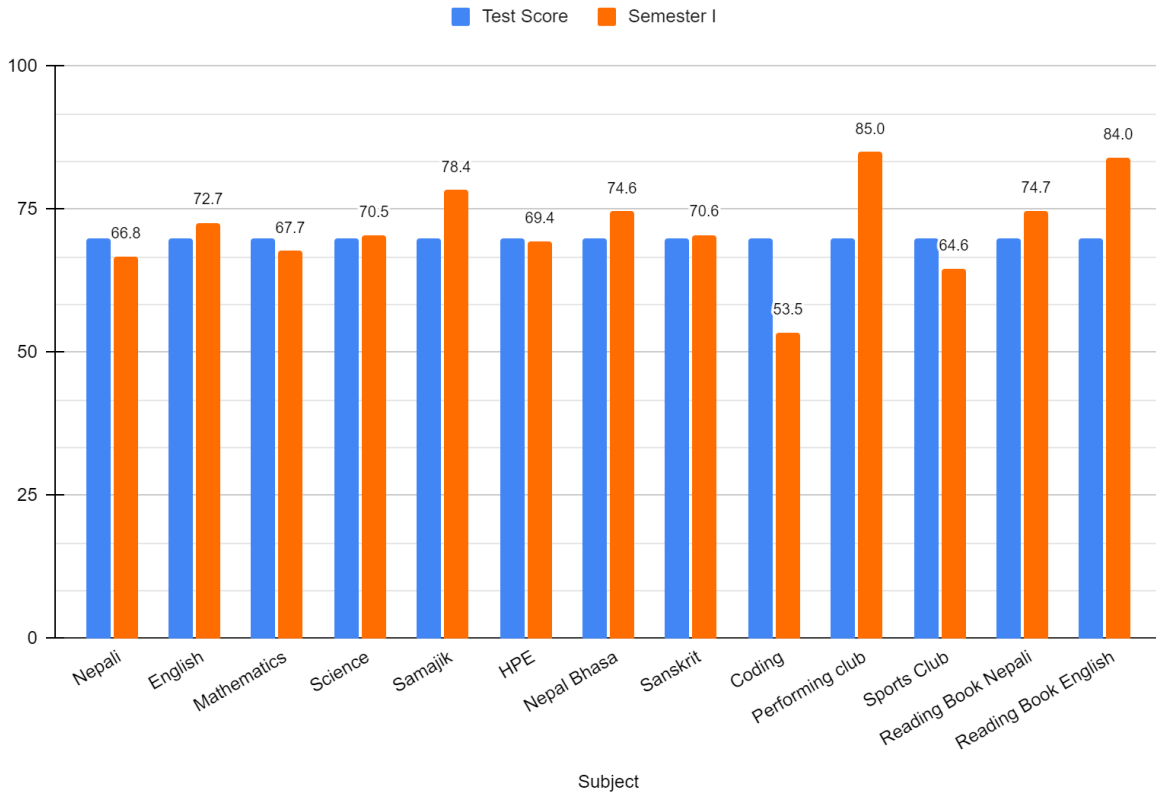
Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	
Nepali	70.0	70.0	66.8	68.5	0.33	In the first term, 50% of grade V - Nuptse students scored >68.5 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
English	70.0	70.0	72.7	81.8	0.54	In the first term, 50% of grade V - Nuptse students scored >81.8 in English. Since $p > \alpha$, we retain null hypothesis and conclude that first In first term and test score results are not significantly different.
Mathematics	70.0	70.0	67.7	71.9	0.58	In the first term, 50% of grade V - Nuptse students scored >71.9 in Mathematics. Since $p > \alpha$, we retain the null hypothesis and conclude that firstIn first term and test score results are not significantly different.
Science	70.0	70.0	70.5	71.1	0.90	In the first term, 50% of grade V - Nuptse students scored >71.05 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that first In first term and test score results are not significantly different.
Samajik	70.0	70.0	78.4	76.3	0.02	In the first term, 50% of grade V - Nuptse students scored >76.25 in Samajik. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first In first term and test score results are significantly different. There is a significant increase.
HPE	70.0	70.0	69.4	70.0	0.85	In the first term, 50% of grade V - Nuptse students scored >70 in HPE. Since $p > \alpha$, we retain null hypothesis and conclude that first In first term and test score results are not significantly different.

Nepal Bhasa	70.0	70.0	74.6	83.0	0.38	In the first term, 50% of grade V - Nuptse students scored >83 in Nepal Bhasa. Since $p > \alpha$, we retain null hypothesis and conclude that first In first term and test score results are not significantly different.
Sanskrit	70.0	70.0	70.6	72.0	0.90	In first term, 50% of grade V - Nuptse students scored >72 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that first In first term and test score results are not significantly different.
Coding	70.0	70.0	53.5	55.0	0.04	In the first term, 50% of grade V - Nuptse students scored >55 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first In first term and test score results are significantly different. There is a significant decrease.
Performing club	70.0	70.0	85.0	84.4	0.00	In the first term, 50% of grade V - Nuptse students scored >84.4 in the Performing club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first In first term and test score results are significantly different. There is a significant increase.
Sports Club	70.0	70.0	64.6	60.5	0.12	In the first term, 50% of grade V - Nuptse students scored >60.5 in Sports Club. Since $p > \alpha$, we retain null hypothesis and conclude that first In first term and test score results are not significantly different.
Reading Book Nepali	70.0	70.0	74.7	74.3	0.02	In the first term, 50% of grade V - Nuptse students scored >74.3 in Reading Book Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first In first term and test score results are significantly different. There is a significant increase.
Reading Book English	70.0	70.0	84.0	84.2	0.00	In the first term, 50% of grade V - Nuptse students scored >84.23 in Reading Book English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first In first term and test score results are significantly different. There is a significant increase.

In Semester I

- Average marks **significantly increased** in **Samajik, Performing Club and Reading Book Nepali**. ($p < 0.05$).
- Average marks **significantly decreased** in **Coding**. ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade V - Nuptse students in Term-I. From the graph, it is noticeable that the average marks have increased appreciably in Samajik, Performing Club and Reading Book English. However, the marks have declined noticeably in Coding and Sports Club.

Grade V - Yangra

The evaluation was based on 19 students. The table below provides **Mean and Median** marks obtained by grade V- Yangra students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the test score, and inference and conclusion were provided.

Subject	Test Score		First Term		Inference	Conclusion
	Test	Median I	Term I	Median	P-Value	

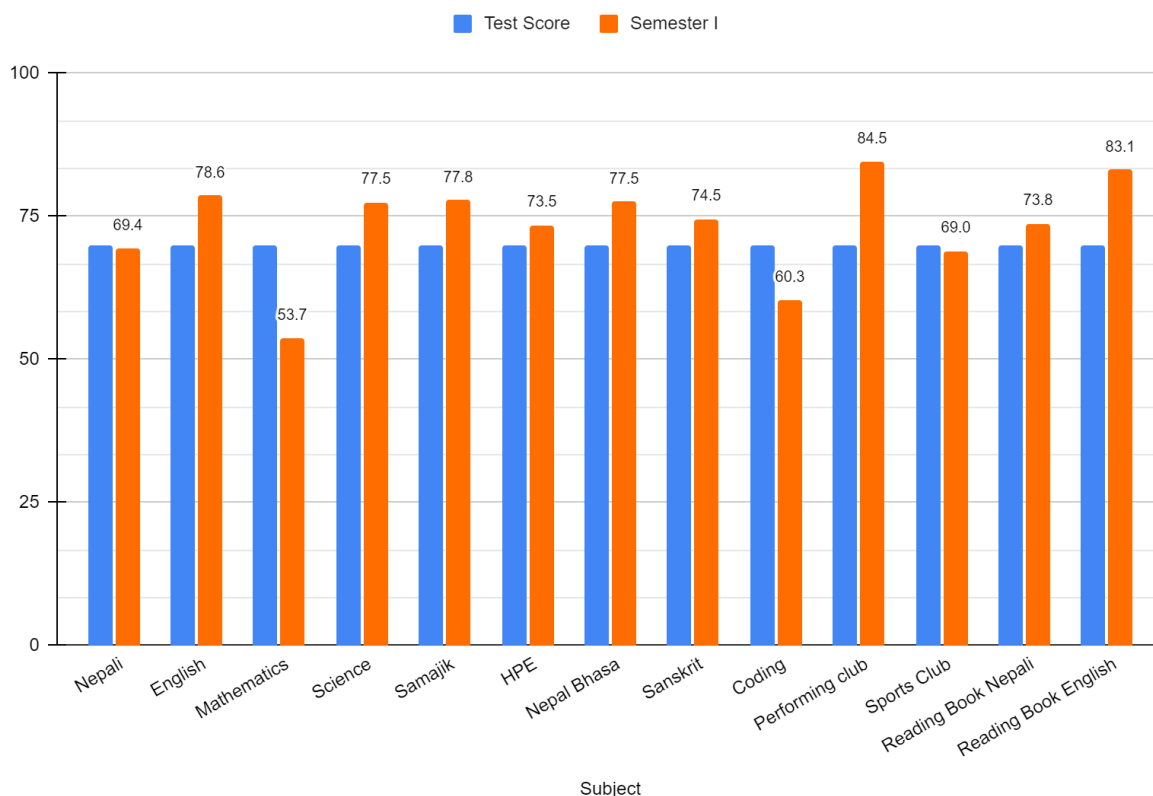
	Score			II		
Nepali	70.0	70.0	69.4	70.5	0.88	In the first term, 50% of grade V - Yangra students scored >70.5 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
English	70.0	70.0	78.6	81.8	0.01	In the first term, 50% of grade V - Yangra students scored >81.8 in English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Mathematics	70.0	70.0	53.7	59.3	0.00	In the first term, 50% of grade V - Yangra students scored >59.3 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Science	70.0	70.0	77.5	82.8	0.08	In the first term, 50% of grade V - Yangra students scored >82.8 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that term and test score results are not significantly different.
Samajik	70.0	70.0	77.8	84.5	0.09	In the first term, 50% of grade V - Yangra students scored >84.5 in Samajik. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
HPE	70.0	70.0	73.5	78.0	0.38	In the first term, 50% of grade V - Yangra students scored >78 in HPE. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Nepal Bhasa	70.0	70.0	77.5	88.0	0.21	In the first term, 50% of grade V - Yangra students scored >88 in Nepal Bhasa. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Sanskrit	70.0	70.0	74.5	78.0	0.16	In the first term, 50% of grade V - Yangra students scored >78 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that term and test score results are not significantly different.

Coding	70.0	70.0	60.3	66.0	0.23	In the first term, 50% of grade V - Yangra students scored >66 in Coding. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Performing club	70.0	70.0	84.5	87.6	0.00	In the first term, 50% of grade V - Yangra students scored >87.6 in the Performing club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Sports Club	70.0	70.0	69.0	68.0	0.77	In the first term, 50% of grade V - Yangra students scored >68 in Sports Club. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Reading Book Nepali	70.0	70.0	73.8	73.8	0.14	In the first term, 50% of grade V - Yangra students scored >73.8 in Reading Book Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Reading Book English	70.0	70.0	83.1	84.8	0.00	In the first term, 50% of grade V - Yangra students scored >84.8 in Reading Book English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

In Semester I

- Average marks **significantly increased** in **English, Performing Club and Reading Book English**. ($p < 0.05$).
- Average marks **significantly decreased** in **Mathematics**. ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade V - Yangra students in First Term. From the graph, it is noticeable that the average marks have increased appreciably in English, Science, Samajik, Performing Club and Reading Book English. However, the marks have declined noticeably in Mathematics and Coding.

Grade VI - Kabru

The evaluation was based on 32 students. The table below provides **Mean and Median** marks obtained by grade VI - Kabru students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the test score, and inference and conclusion were provided.

Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	
Nepali	70.0	70.0	59.9	60.5	0.00	In first term, 50% of grade VI - Kabru students scored >60.5 in Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.

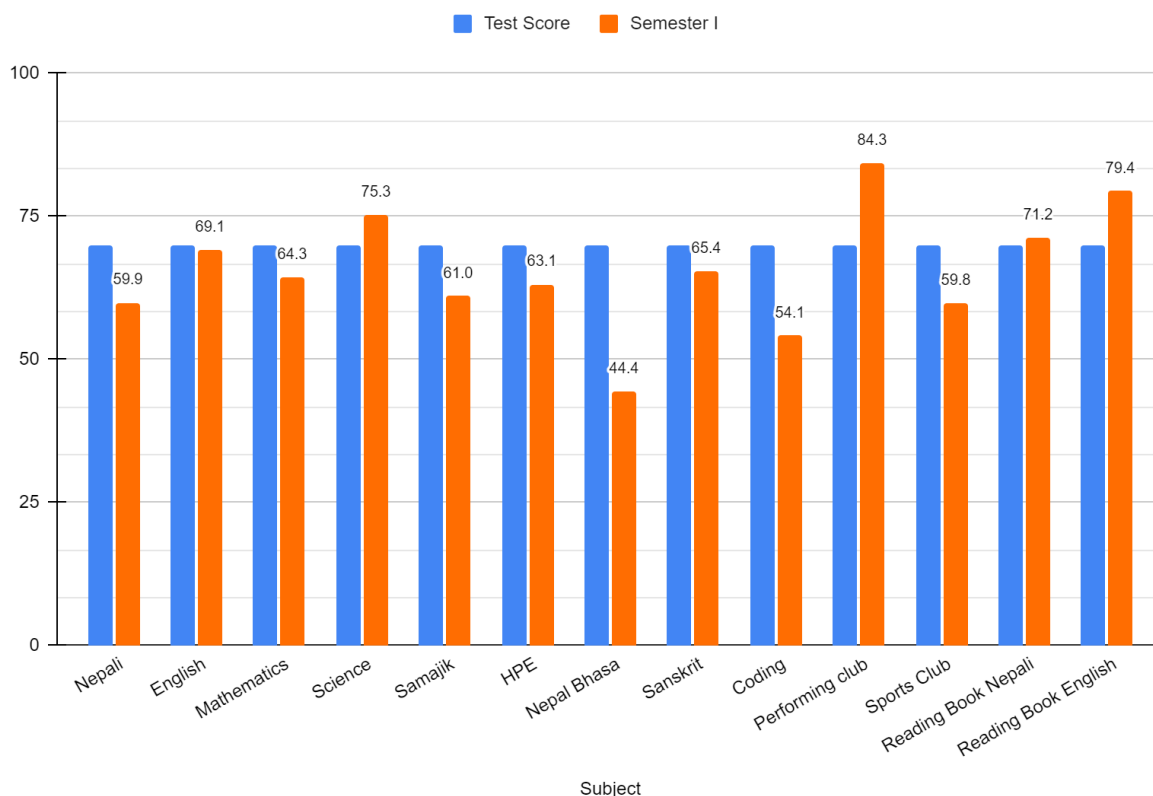
English	70.0	70.0	69.1	67.0	0.76	In the first term, 50% of grade VI - Kabru students scored >67 in English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Mathematics	70.0	70.0	64.3	71.0	0.09	In the first term, 50% of grade VI - Kabru students scored >71 in Mathematics. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Science	70.0	70.0	75.3	79.5	0.09	In the first term, 50% of grade VI - Kabru students scored >79.5 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Samajik	70.0	70.0	61.0	59.0	0.03	In first term, 50% of grade VI - Kabru students scored >59 in Samajik. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
HPE	70.0	70.0	63.1	68.0	0.06	In the first term, 50% of grade VI - Kabru students scored >68 in HPE. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Nepal Bhasa	70.0	70.0	44.4	40.0	0.00	In the first term, 50% of grade VI - Kabru students scored >40 in Nepal Bhasa. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Sanskrit	70.0	70.0	65.4	60.0	0.15	In first term, 50% of grade VI - Kabru students scored >60 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Coding	70.0	70.0	54.1	54.0	0.01	In the first term, 50% of grade VI - Kabru students scored >54 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.

Performing club	70.0	70.0	84.3	85.2	0.00	In the first term, 50% of grade VI - Kabru students scored >85.2 in the Performing club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Sports Club	70.0	70.0	59.8	56.6	0.00	In the first term, 50% of grade VI - Kabru students scored >56.6 in Sports Club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Reading Book Nepali	70.0	70.0	71.2	72.0	0.54	In first term, 50% of grade VI - Kabru students scored >72 in Reading Book Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Reading Book English	70.0	70.0	79.4	78.7	0.00	In the first term, 50% of grade VI - Kabru students scored >78.66666667 in Reading Book English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

In Semester I

- Average marks **significantly increased in Performing Club and Reading Book English.** ($p < 0.05$).
- Average marks **significantly decreased in Nepali, Samajik, Nepal Bhasa, Coding and Sports Club.** ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade VI - Kabru students in First Term. From the graph, it is noticeable that the average marks have increased in **Science , Performing Club and Reading Book English** as compared to Test Score. The average marks have dropped in subjects like **Nepali, Nepali Bhasa and Coding**.

Grade VI - Chamlang

The evaluation was based on 31 students. The table below provides **Mean and Median** marks obtained by grade VI- Chamlang students in different subjects, including performing arts and reading book tests.

Furthermore, the marks obtained were compared with the first term, and inference and conclusion were drawn.

Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	

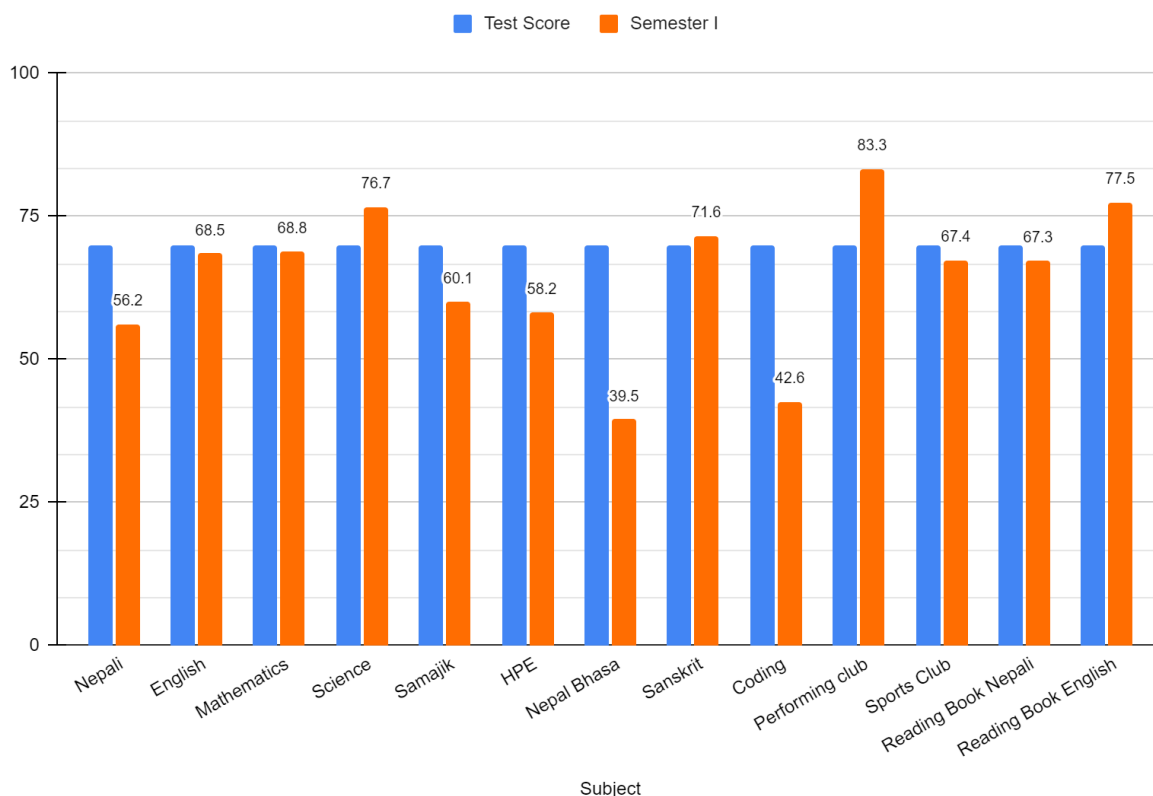
Nepali	70.0	70.0	56.2	53.0	0.00	In the first term, 50% of grade VI - Chamlang students scored >53 in Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
English	70.0	70.0	68.5	69.8	0.49	In the first term, 50% of grade VI - Chamlang students scored >69.8 in English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Mathematics	70.0	70.0	68.8	68.3	0.66	In the first term, 50% of grade VI - Chamlang students scored >68.3 in Mathematics. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Science	70.0	70.0	76.7	84.3	0.06	In the first term, 50% of grade VI - Chamlang students scored >84.3 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Samajik	70.0	70.0	60.1	58.5	0.01	In the first term, 50% of grade VI - Chamlang students scored >58.5 in Samajik. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
HPE	70.0	70.0	58.2	60.0	0.00	In the first term, 50% of grade VI - Chamlang students scored >60 in HPE. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Nepal Bhasa	70.0	70.0	39.5	34.0	0.00	In the first term, 50% of grade VI - Chamlang students scored >34 in Nepal Bhasa. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Sanskrit	70.0	70.0	71.6	70.0	0.53	In the first term, 50% of grade VI - Chamlang students scored >70 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

Coding	70.0	70.0	42.6	50.0	0.00	In the first term, 50% of grade VI - Chamlang students scored >50 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Performing club	70.0	70.0	83.3	85.2	0.00	In the first term, 50% of grade VI - Chamlang students scored >85.2 in the Performing club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Sports Club	70.0	70.0	67.4	67.0	0.26	In the first term, 50% of grade VI - Chamlang students scored >67 in Sports Club. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Reading Book Nepali	70.0	70.0	67.3	69.4	0.23	In the first term, 50% of grade VI - Chamlang students scored >69.4 in Reading Book Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Reading Book English	70.0	70.0	77.5	77.5	0.00	In the first term, 50% of grade VI - Chamlang students scored >77.46 in Reading Book English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

In Semester I

- Average marks **significantly increased** in **Performing Club and Reading Book English**. ($p < 0.05$).
- Average marks **significantly decreased** in **Nepali, Samajik, HPE, Nepal Bhasa and Coding**. ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade VI - Kabru students in First Term. From the graph, it is noticeable that the average marks have increased in **Science and Performing Club** as compared to Test Score. However, the marks have dropped notably in **Nepali, Nepali Bhasa and Coding**.

Grade VII - Pumori

The evaluation was based on 26 students. The table below provides **Mean and Median** marks obtained by grade VII- Pumori students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the first term, and inference and conclusion were drawn.

Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	
Nepali	70.0	70.0	68.4	69.0	0.54	In the first term, 50% of grade VII - Pumori students scored >69 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

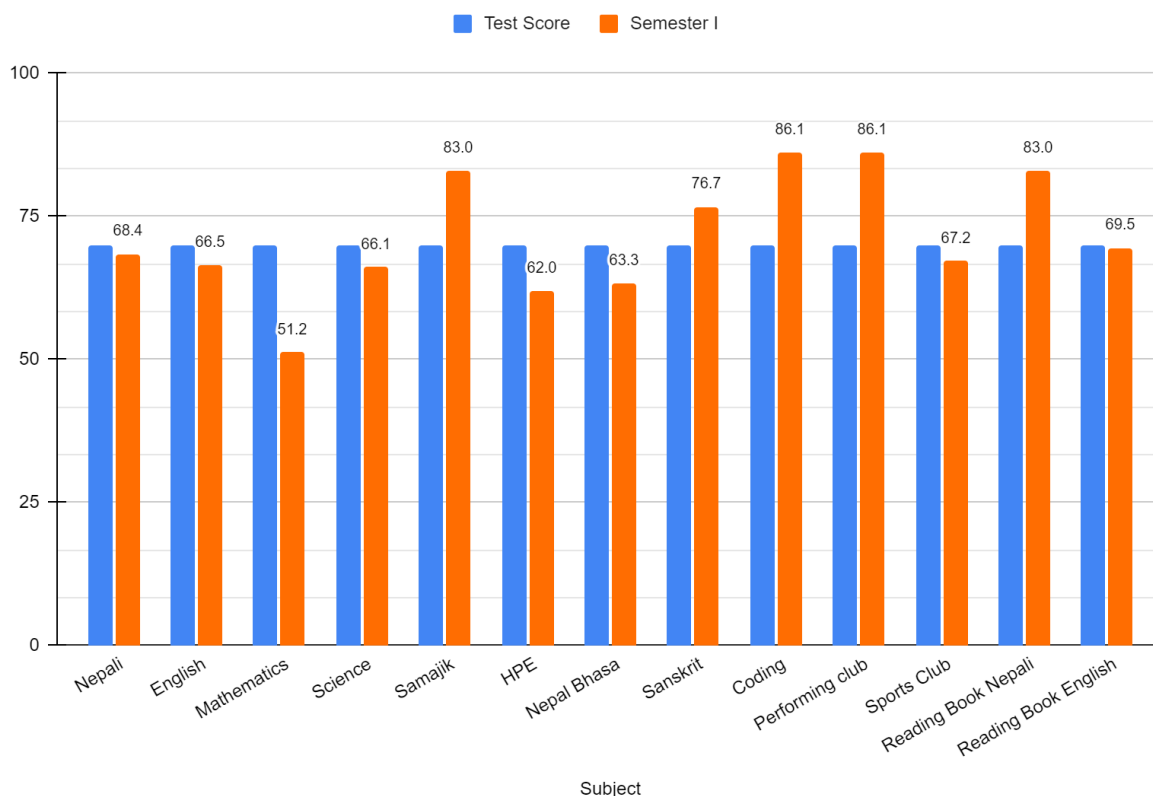
English	70.0	70.0	66.5	68.7	0.26	In the first term, 50% of grade VII - Pumori students scored >68.65 in English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Mathematics	70.0	70.0	51.2	50.9	0.00	In the first term, 50% of grade VII - Pumori students scored >50.9 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Science	70.0	70.0	66.1	68.5	0.21	In the first term, 50% of grade VII - Pumori students scored >68.5 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Samajik	70.0	70.0	83.0	84.8	0.00	In the first term, 50% of grade VII - Pumori students scored >84.75 in Samajik. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
HPE	70.0	70.0	62.0	66.0	0.06	In the first term, 50% of grade VII - Pumori students scored >66 in HPE. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Nepal Bhasa	70.0	70.0	63.3	64.0	0.08	In the first term, 50% of grade VII - Pumori students scored >64 in Nepal Bhasa. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Sanskrit	70.0	70.0	76.7	80.0	0.06	In the first term, 50% of grade VII - Pumori students scored >80 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Coding	70.0	70.0	86.1	86.3	0.00	In the first term, 50% of grade VII - Pumori students scored >86.275 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

Performing club	70.0	70.0	86.1	70.0	0.00	In the first term, 50% of grade VII - Pumori students scored >70 in the Performing club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Sports Club	70.0	70.0	67.2	86.8	0.21	In the first term, 50% of grade VII - Pumori students scored >86.8 in Sports Club. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Reading Book Nepali	70.0	70.0	83.0	87.5	0.00	In the first term, 50% of grade VII - Pumori students scored >87.5 in Reading Book Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Reading Book English	70.0	70.0	69.5	67.2	0.58	In the first term, 50% of grade VII - Pumori students scored >67.2 in Reading Book English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

In Semester I

- Average marks **significantly increased** in **Samajik, Coding, Performing Club and Reading Book Nepali**. ($p < 0.05$).
- Average marks **significantly decreased** in **Mathematics**. ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade VII - Pumori students in First Term. The graph shows that there is an upward trend in average marks obtained by students in **Samajik, Coding, Performing Club and Reading Book Nepali** as compared to Test Score. However, the marks have declined distinctly in **Mathematics, HPE and Nepal Bhasa**.

Grade VII - Nemjung

The evaluation was based on 27 students. The table below provides **Mean and Median** marks obtained by grade VII - Nemjung students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the test score, and inference and conclusion were drawn.

Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	

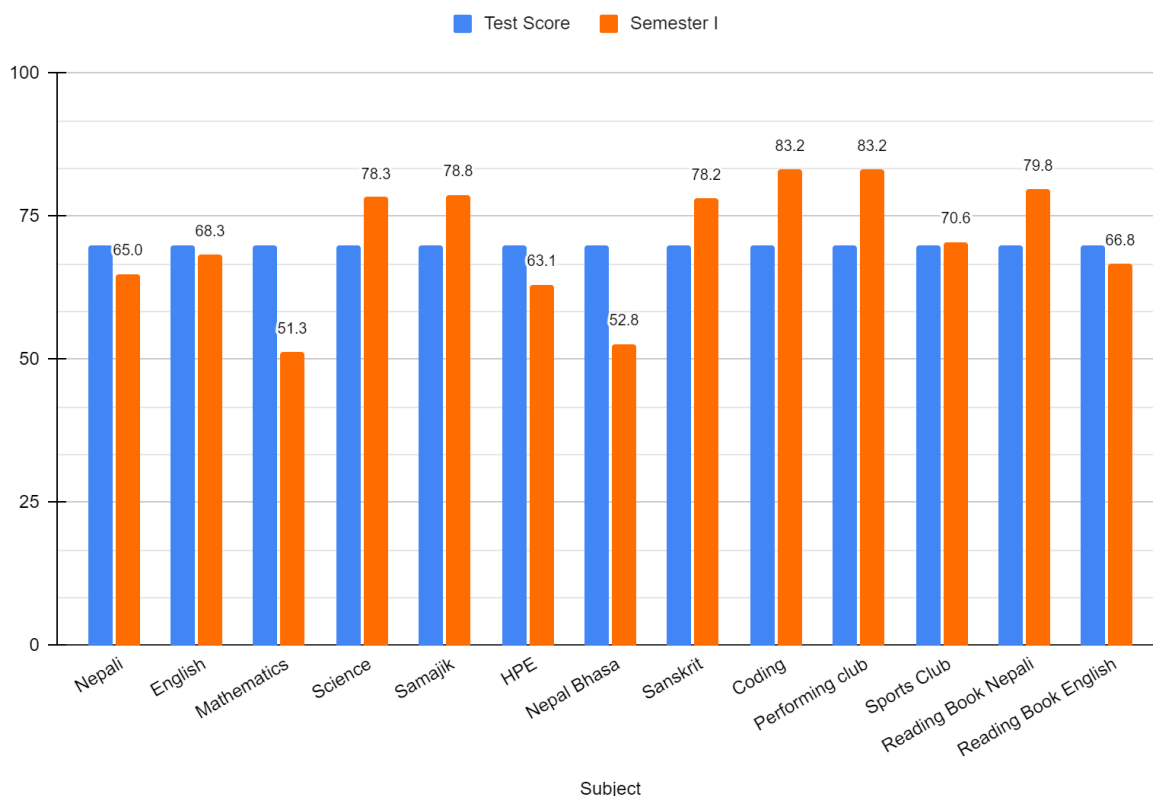
Nepali	70.0	70.0	65.0	68.5	0.11	In the first term, 50% of grade VII - Nemjung students scored >68.5 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
English	70.0	70.0	68.3	68.0	0.51	In the first term, 50% of grade VII - Nemjung students scored >68 in English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Mathematics	70.0	70.0	51.3	46.3	0.00	In the first term, 50% of grade VII - Nemjung students scored >46.3 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Science	70.0	70.0	78.3	80.5	0.00	In the first term, 50% of grade VII - Nemjung students scored >80.5 in Science. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Samajik	70.0	70.0	78.8	80.0	0.01	In the first term, 50% of grade VII - Pumori students scored >80 in Samajik. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
HPE	70.0	70.0	63.1	68.0	0.06	In the first term, 50% of grade VII - Nemjung students scored >68 in HPE. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Nepal Bhasa	70.0	70.0	52.8	54.0	0.00	In the first term, 50% of grade VII - Nemjung students scored >54 in Nepal Bhasa. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Sanskrit	70.0	70.0	78.2	84.0	0.00	In the first term, 50% of grade VII - Nemjung students scored >84 in Sanskrit. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

Coding	70.0	70.0	83.2	85.2	0.00	In the first term, 50% of grade VII - Nemjung students scored >85.2 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Performing club	70.0	70.0	83.2	70.0	0.00	In the first term, 50% of grade VII - Nemjung students scored >70 in the Performing club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Sports Club	70.0	70.0	70.6	83.4	0.82	In the first term, 50% of grade VII - Nemjung students scored >83.4 in Sports Club. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Reading Book Nepali	70.0	70.0	79.8	84.0	0.00	In the first term, 50% of grade VII - Nemjung students scored >84 in Reading Book Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Reading Book English	70.0	70.0	66.8	68.6	0.23	In the first term, 50% of grade VII - Nemjung students scored >68.6 in Reading Book English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

In Semester I

- Average marks **significantly increased** in **Science, Samajik, Sanskrit, Coding, Performing Club and Reading Book Nepali**. ($p < 0.05$).
- Average marks **significantly decreased** in **Mathematics and Nepal Bhasa**. ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade VII - Nemjung students in First Term. From the graph, it is noticeable that the average marks have increased appreciably in **Science, Samajik, Coding and Performing Club** as compared to Test Score . The average marks have depreciated more in **Mathematics and Nepal Bhasa**.

Grade VIII - Gaurishankar

The evaluation was based on 24 students. The table below provides **Mean and Median** marks obtained by grade VIII - Gaurishankar students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the test score, and inference and conclusion were drawn.

Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	
Nepali	70.0	70.0	64.8	64.8	0.17	In the first term, 50% of grade VIII - Gaurishankar students scored >64.75 in Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

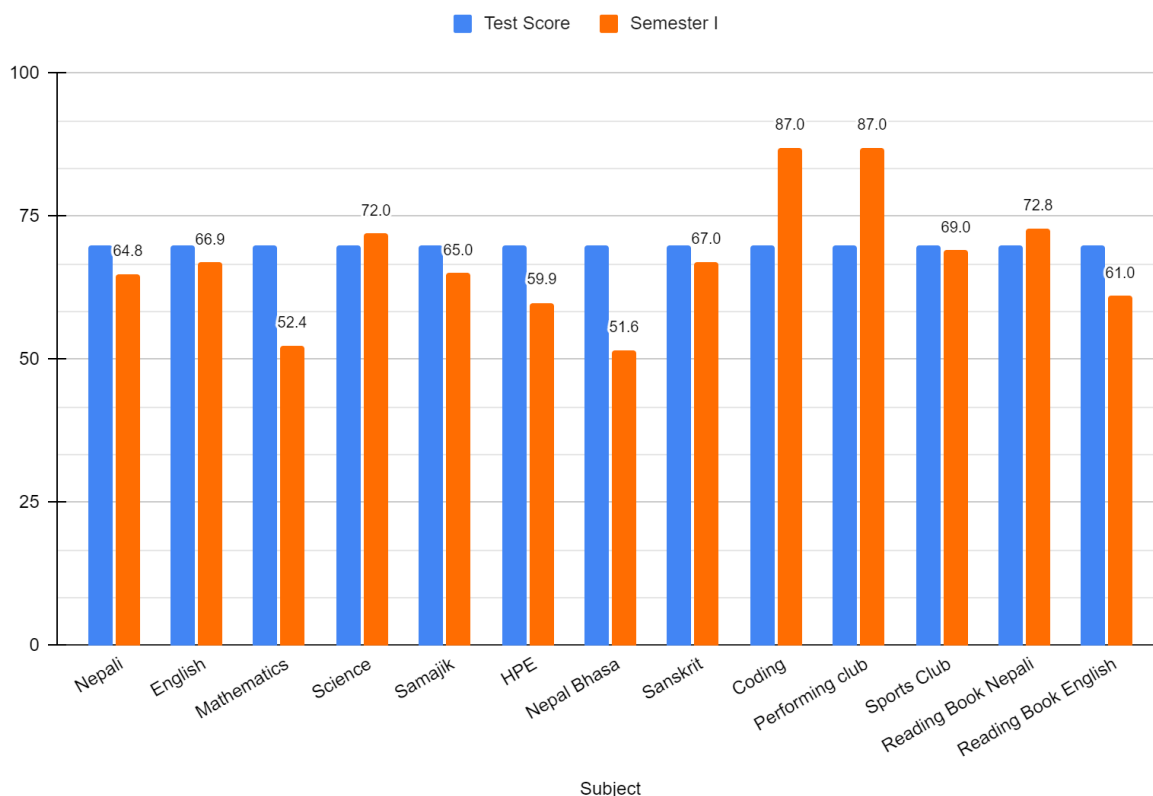
English	70.0	70.0	66.9	76.2	0.47	In the first term, 50% of grade VIII - Gaurishankar students scored >76.15 in English. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Mathematics	70.0	70.0	52.4	54.9	0.00	In the first term, 50% of grade VIII - Gaurishankar students scored >54.9 in Mathematics. Since $p < \alpha$, we fail to retain the null hypothesis and conclude that first semester and test score results are significantly different. There is a significant decrease.
Science	70.0	70.0	72.0	75.2	0.55	In the first term, 50% of grade VIII - Gaurishankar students scored >75.15 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Samajik	70.0	70.0	65.0	68.3	0.27	In the first term, 50% of grade VIII - Gaurishankar students scored >68.25 in Samajik. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
HPE	70.0	70.0	59.9	64.0	0.10	In the first term, 50% of grade VIII - Gaurishankar students scored >64 in HPE. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Nepal Bhasa	70.0	70.0	51.6	52.0	0.00	In the first term, 50% of grade VIII - Gaurishankar students scored >52 in Nepal Bhasa. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Sanskrit	70.0	70.0	67.0	68.0	0.56	In the first term, 50% of grade VIII - Gaurishankar students scored >68 in Sanskrit. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Coding	70.0	70.0	87.0	85.2	0.73	In the first term, 50% of grade VIII - Gaurishankar students scored >85.2 in Coding. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

Performing club	70.0	70.0	87.0	71.0	0.00	In the first term, 50% of grade VIII - Gaurishankar students scored >71 in the Performing club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Sports Club	70.0	70.0	69.0	72.7	0.77	In the first term, 50% of grade VIII - Gaurishankar students scored >72.66 in Sports Club. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Reading Book Nepali	70.0	70.0	72.8	72.7	0.33	In the first term, 50% of grade VIII - Gaurishankar students scored >72.66 in Reading Book Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Reading Book English	70.0	70.0	61.0	65.9	0.00	In the first term, 50% of grade VIII - Gaurishankar students scored >65.9 in Reading Book English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.

In Semester I

- Average marks **significantly increased** in the **Performing Club**. ($p < 0.05$).
- Average marks **significantly decreased** in **Mathematics, Nepal Bhasa and Reading Book English**. ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

Subject vs. Mean



The bar graph illustrates the average marks of different subjects obtained by Grade VIII - Gaurishankar students in First Term. From the graph, it is noticeable that the average marks have increased considerably in **Coding and Performing Club** as compared to Test Score. However, there is a downward trend in average marks in **Mathematics, HPE and Nepali Bhasa**.

Grade IX - Nilgiri

The evaluation was based on 29 students. The table below provides **Mean and Median** marks obtained by Grade IX - Nilgiri students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the test score, and inference and conclusion were provided.

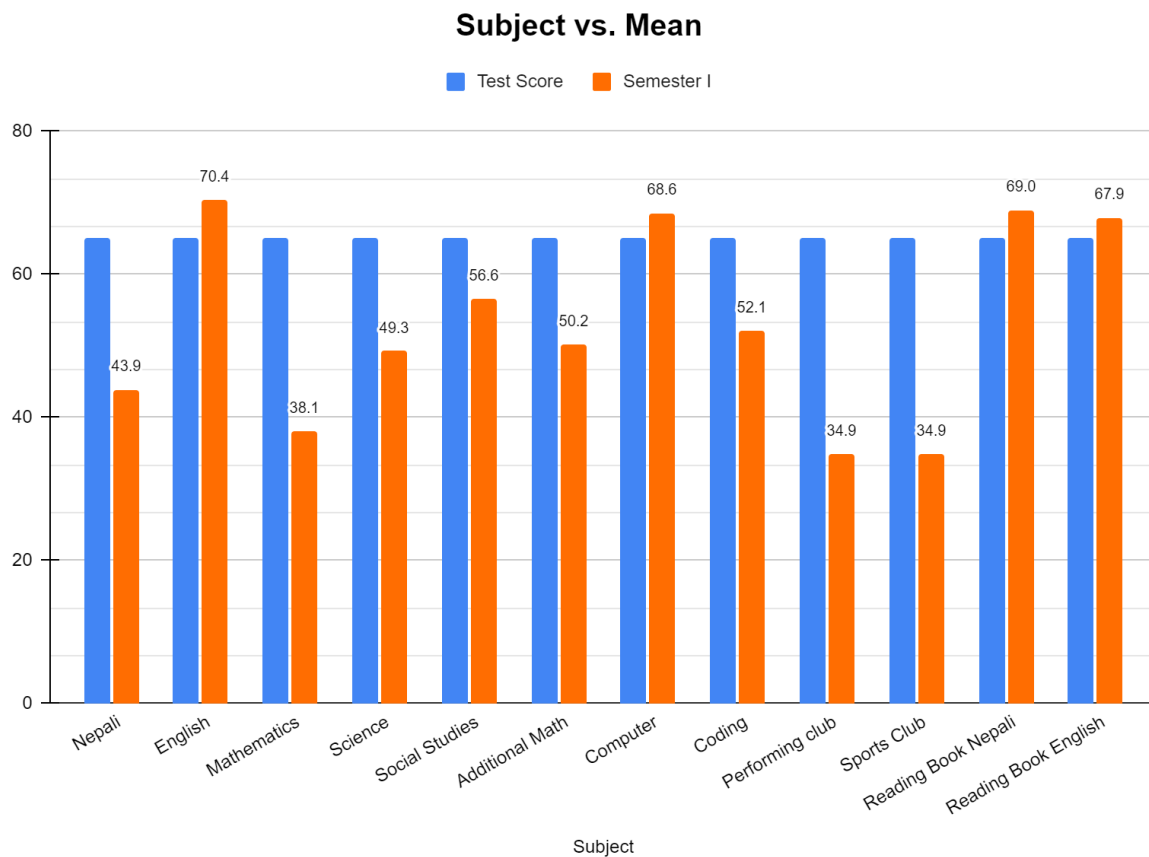
Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	
Nepali	65.0	65.0	43.9	40.0	0.00	In the first term, 50% of grade IX - Saipal students scored >40 in Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.

English	65.0	65.0	70.4	72.0	0.00	In the first term, 50% of grade IX - Saipal students scored >72 in English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Mathematics	65.0	65.0	38.1	35.0	0.00	In the first term, 50% of grade IX - Saipal students scored >35 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Science	65.0	65.0	49.3	46.0	0.00	In the first term, 50% of grade IX - Saipal students scored >46 in Science. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Social Studies	65.0	65.0	56.6	55.0	0.05	In the first term, 50% of grade IX - Saipal students scored >55 in Social Studies. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Additional Math	65.0	65.0	50.2	49.0	0.00	In the first term, 50% of grade IX - Saipal students scored >49 in Additional Math. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Computer	65.0	65.0	68.6	70.0	0.23	In the first term, 50% of grade IX - Saipal students scored >70 in Computer. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Coding	65.0	65.0	52.1	53.0	0.00	In the first term, 50% of grade IX - Saipal students scored >53 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Performing club	65.0	65.0	34.9	0.0	0.04	In the first term, 50% of grade IX - Saipal students scored >0 in the Performing club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.

Sports Club	65.0	65.0	34.9	66.0	0.00	In the first term, 50% of grade IX - Saipal students scored >66 in Sports Club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Reading Book Nepali	65.0	65.0	69.0	75.0	0.15	In the first term, 50% of grade IX - Saipal students scored >75 in Reading Book Nepali. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

In Semester I

- Average marks **significantly increased** in **English**. ($p < 0.05$).
- Average marks **significantly decreased** in **Nepali, Mathematics, Science, Social Studies, Additional Mathematics, Coding, Performing Club and Sport Club**. ($p < 0.05$).
- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).



The bar graph illustrates the average marks of different subjects obtained by Grade IX - Nilgiri students in First Term. The graph shows that there is an upward trend in average marks obtained

by students in **Reading Book Nepali**. However, the marks have declined noticeably in **Nepali, Mathematics, Science, Additional Mathematics, Performing Club and Sports Club**.

Grade X - Machhapuchhre

The evaluation was based on 12 students. The table below provides **Mean and Median** marks obtained by Grade X - Machhapuchhre students in different subjects, including performing arts and reading book tests. Furthermore, the marks obtained were compared with the test score, and inference and conclusion were provided.

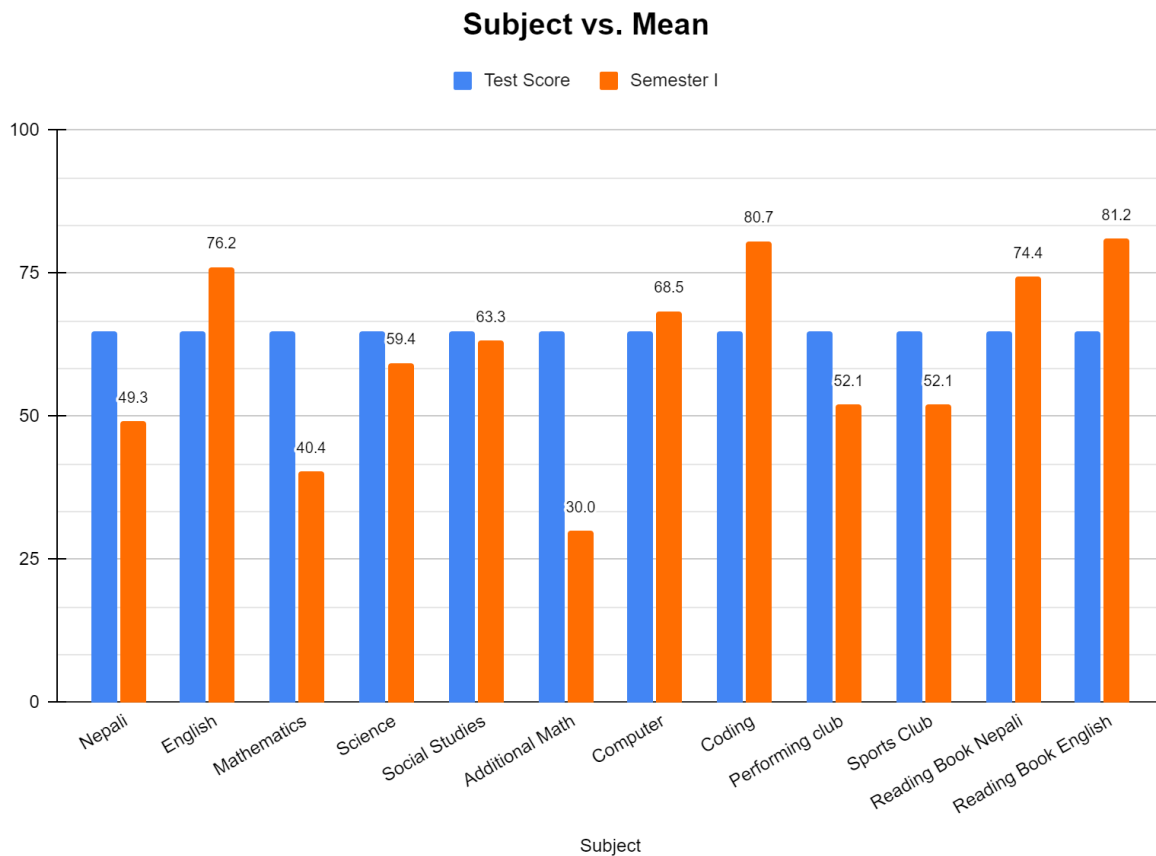
Subject	Test Score		First Term		Inference	Conclusion
	Test Score	Median I	Term I	Median II	P-Value	
Nepali	65.0	65.0	49.3	52.0	0.00	In the first term, 50% of grade X - Machhapuchhre students scored >52 in Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
English	65.0	65.0	76.2	80.0	0.02	In the first term, 50% of grade X - Machhapuchhre students scored >80 in English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Mathematics	65.0	65.0	40.4	41.5	0.00	In the first term, 50% of grade X - Machhapuchhre students scored >41.5 in Mathematics. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Science	65.0	65.0	59.4	57.5	0.24	In the first term, 50% of grade X - Machhapuchhre students scored >57.5 in Science. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Social Studies	65.0	65.0	63.3	68.5	0.77	In the first term, 50% of grade X - Machhapuchhre students scored >68.5 in Social Studies. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.

Additional Math	65.0	65.0	30.0	26.9	0.00	In the first term, 50% of grade X - Machhapuchhre students scored >26.9 in Additional Math. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Computer	65.0	65.0	68.5	67.8	0.47	In the first term, 50% of grade X - Machhapuchhre students scored >67.75 in Computer. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Coding	65.0	65.0	80.7	87.5	0.00	In the first term, 50% of grade X - Machhapuchhre students scored >87.5 in Coding. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Performing club	65.0	65.0	52.1	76.5	0.00	In the first term, 50% of grade X - Machhapuchhre students scored >76.5 in the Performing club. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant decrease.
Sports Club	65.0	65.0	52.1	73.5	0.30	In the first term, 50% of grade X - Machhapuchhre students scored >73.5 in Sports Club. Since $p > \alpha$, we retain null hypothesis and conclude that first term and test score results are not significantly different.
Reading Book Nepali	65.0	65.0	74.4	78.5	0.02	In the first term, 50% of grade X - Machhapuchhre students scored >78.5 in Reading Book Nepali. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.
Reading Book English	65.0	65.0	81.2	78.5	0.00	In the first term, 50% of grade X - Machhapuchhre students scored >78.5 in Reading Book English. Since $p < \alpha$, we fail to retain null hypothesis and conclude that first term and test score results are significantly different. There is a significant increase.

In Semester I

- Average marks **significantly increased** in **English, Coding, Reading Book Nepalia and Reading Book English** . ($p < 0.05$).
- Average marks **significantly decreased** in **Nepali, Mathematics, Additional Mathematics and Performing Club**. ($p < 0.05$).

- Increase or decrease in average marks obtained in the rest of the subjects were not statistically significant. ($p > 0.05$).

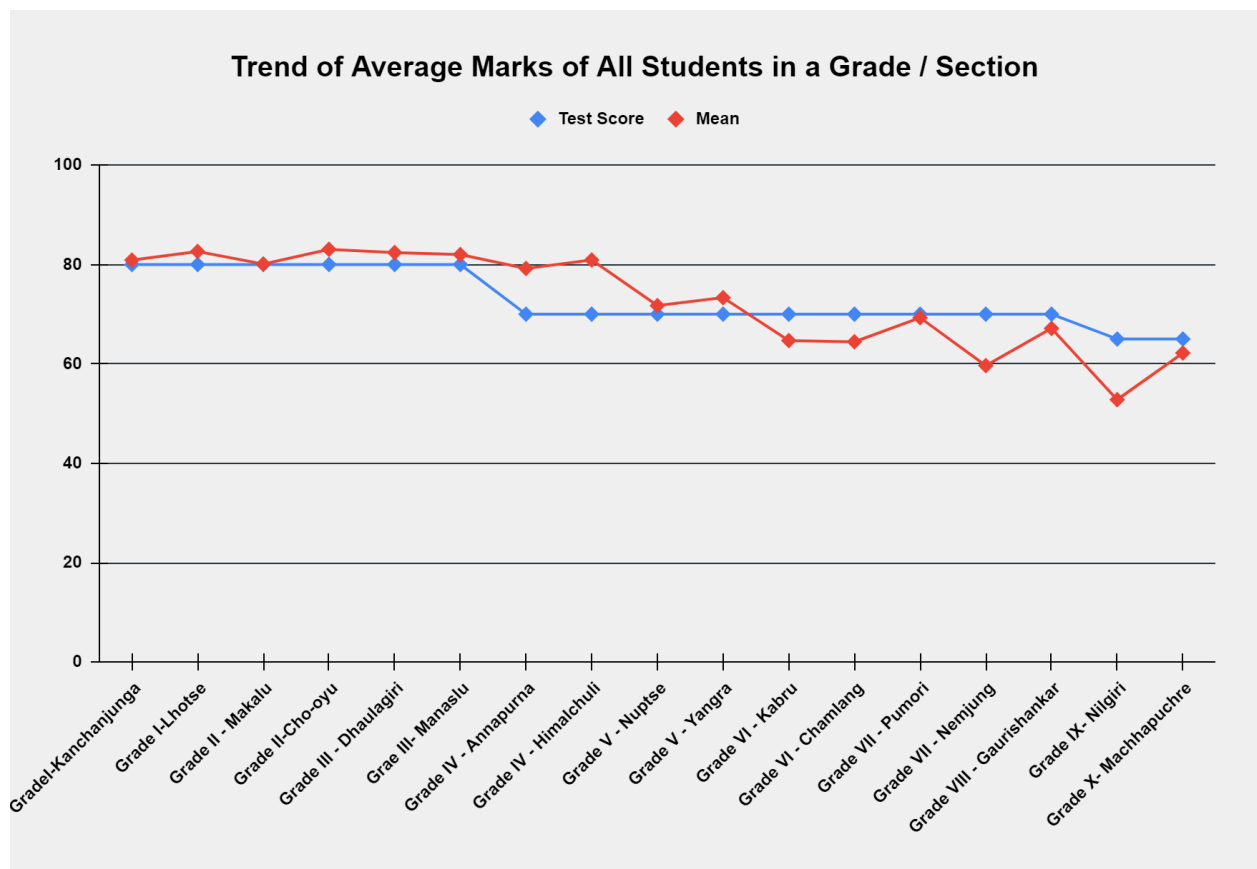


The bar graph illustrates the average marks of different subjects obtained by Grade X - Machhapuchhre students in First Term. From the graph, it is noticeable that the average marks have increased in **English, Coding and Reading Book English** as compared to Test Score. However, the marks have declined significantly in **Nepali, Mathematics and Additional Mathematics**.

Overall Result

In overall analysis, mean and median were calculated based on the marks obtained (all subjects combined including performing arts and reading book tests) in a grade by 'all' students. Furthermore, the marks obtained in the first semester evaluations are compared with test score, and inference and conclusion are provided. The data provides the overall impression of results in each grade.

Grade	Term I - Central Values				
	Test Score	Mean	Median	Maximum	Minimum
Grade I-Kanchanjunga	80.00	80.89	81.6	99.56	52.70
Grade I-Lhotse	80.00	82.62	83.77	98.33	41.40
Grade II - Makalu	80.00	80.10	81.13	99.20	47.20
Grade II-Cho-oyu	80.00	83.04	82.75	100.00	25.00
Grade III - Dhaulagiri	80.00	82.40	83.90	98.90	43.20
Grade III- Manaslu	80.00	82.00	84.70	98.90	44.00
Grade IV - Annapurna	70.00	79.20	82.20	100.00	36.40
Grade IV - Himalchuli	70.00	80.90	82.40	100.00	41.80
Grade V - Nuptse	70.00	71.73	76.55	100.00	0.00
Grade V - Yangra	70.00	73.33	78.20	100.00	10.00
Grade VI - Kabru	70.00	64.69	68.00	100.00	0.00
Grade VI - Chamlang	70.00	64.45	68.00	100.00	0.00
Grade VII - Pumori	70.00	69.29	70.40	100.00	0.00
Grade VII - Nemjung	70.00	59.65	61.72	100.00	0.00
Grade VIII - Gaurishankar	70.00	67.14	71.00	100.00	10.00
Grade IX- Nilgiri	65.00	52.80	55.20	100.00	0.00
Grade X- Machhapuchre	65.00	62.20	67.00	98.20	0.00



The line graph depicts the trend of average marks of different grades obtained by all students in Semester I and Test Score. The average marks have substantially increased for Grade-I Lhotse, Grade-II Cho-Oyu, Grade-III Dhaulagiri, Grade-III Manaslu and Grade V - Yangra.. There is a gradual rise in average marks obtained by Grade-III Dhaulagiri, Grade III- Manaslu, Grade-IV Annapurna, and Grade-IV Himalchuli. The overall performance of elementary school is praiseworthy as compared to Semester I.

The average marks have noticeably decreased in Grade-VI Kabru, and Grade-VI Chamlang, Grade VII Nemjung and Grade IX Saipal. There is no remarkable change in the average marks obtained by Grade-V Nuptse, Grade-VII Pumori, Grade-VIII Gaurishankar, and Grade-X Machhapuchhre in Semester I.

Appendix

Examination Team

Tasks	Name
Question Preparation/Examination/Answer Sheet Evaluation/Marks Entry	Subject / Class Teachers
Online Handbook	Santosh Shah
Marksheet Ledger	Sabina Maharjan, Manisha Adhikari, Yukta Burma, Sapana Lama, Dhanswor Yonghang, Aakash Chandra Giri
Marksheet Preparation/Distribution	Class Teachers / HOS / Principal
Data Entry & Language	Sabina Maharjan, Manisha Adhikari, Yukta Burma, Sapana Lama, Aakash Chandra Giri
Analysis Report by:	Aakash Chandra Giri Dhanswor Yonghang