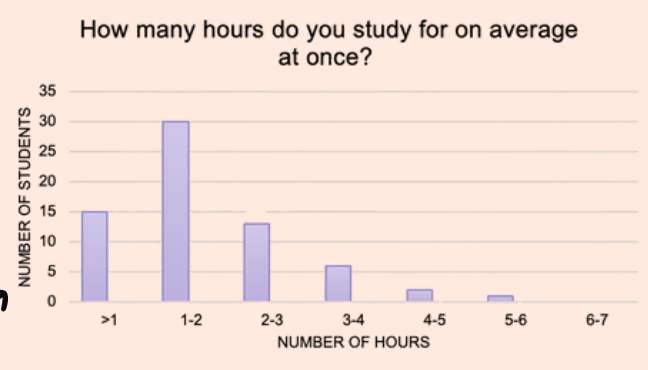


Is group or solo study more beneficial for year 7 & 8 students?

Introduction and Hypothesis

Our survey questions the study preferences among Year 7 & 8 students in NSG. We chose this topic because we are curious about what the majority of students think about the differences between group or solo study, and their study habits. We think that this information will be useful to many students as options for studying and revising. Our hypothesis is that solo study is more effective, as students are able to delegate the time required to study for different subjects, and what to study, which will benefit them, as they are in full control of their own learning.

We represented the data from our numerical question, "How many hours do you study for on average?" in a column graph. This graph clearly shows the median, mode, range, and the mean. Most students tend to study in 1-2 hours, and no students study for 6-7 hours at once. The data shows a decreasing trend as the study hours increase, with fewer students studying for longer periods of time. The data suggests that the majority of students prefer shorter study sessions.



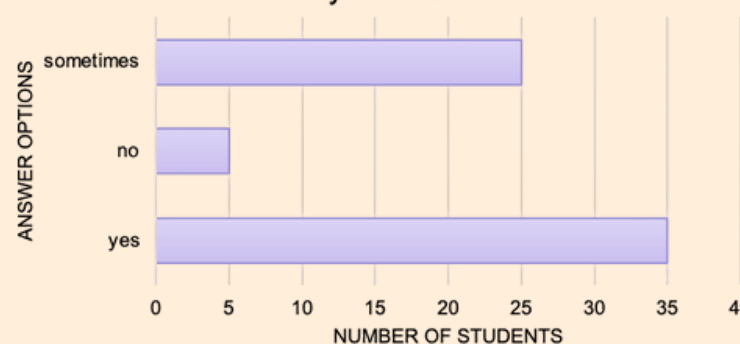
Mean = 1.6 hours
Median = 1-2 hours
Group total = 48 hours

Mode = 1-2 hours
Range = 7
Solo total = 68 hours

Analysis of Bar Chart

We depicted our data for the second categorical question, "Do you think studying by yourself helps you understand your material better?" with a bar chart. It was easy to identify that 35 students said that studying solo helps you understand your material better. So, we can connect this data to the column graph, which shows that studying 1-2 hours by yourself will help you understand your material better.

Do you think studying by yourself helps you understand your material better?

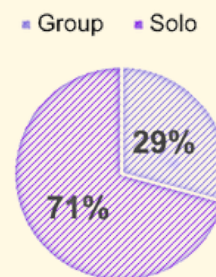


Aim

Our aim for this survey is to investigate if solo study or group study is more effective and preferred among the majority of students. We have focused on lower years - years 7 & 8, as this group is more likely to start to develop habits on studying at the beginning of high school. By examining these preferences, students can have more information about study opinions and it gives them more ways for them to revise for tests.

Analysis of Pie Chart

WHICH METHOD DO YOU PREFER FOR EXAM PREP?



Additionally, we represented our data found from the categorical question, "Which method do you prefer for exam prep?" through a pie chart. From the results in the chart, it is clear that the group study was found to be more beneficial for exam prep, with 71% of the year 7 and 8 students choosing it.

Ideas+Further Research

We can further investigate whether students study better in groups or by themselves through expanding the year grade, and exploring different subjects. We could explore the study preferences between year 7 to 12, which would allow us to see if study preferences change as students progress through school. Investigating the differences between study preferences between different subjects could be another area of interest, as some subjects may be better suited to studying for group study or solo study.

Method

In order to obtain the necessary data, we made a Google form with 8 questions that was sent to both Year 7 and Year 8. We included 3 numerical questions: If you study in a group or solo, how many hours do you study for on average? How productive do you feel in group sessions? And how productive do you feel when studying solo? These questions measured the level of productivity and amount of studying among students. Additionally, we also included 3 categorical questions: How often do you study in a group? Which method do you prefer for exam prep? Do you think studying by yourself helps you understand your material better? These 3 questions are word-based and collect information on the study preferences of students. We received a total of 65 responses, which were then converted into a column graph, bar chart and a pie chart, which helps to visually analyse the data that we have received.

Limitations

Some limitations of our investigation were that some students may exaggerate their productivity when studying in a group or by themselves. Additionally, it is difficult to separate socialising from studying, as when you go out to study in a group, you may be socialising with your friends, more than you are actually studying. Finally, we only got results from a sample of 65 year 7 and 8 students from NSG, which cannot represent the whole school or the whole population.

Conclusion

Based on our investigation, we can conclude that the majority of year 7 and 8 students think that solo study is more beneficial for exam preparation, with 71% favouring it. Many students reported that they understood their material better when studying 1-2 hours by themselves every study period. While some students chose group study, the overall conclusion among year 7 and 8 students was that studying alone better supported them. Our research method was suitable for capturing student's preferences about solo or group study, as it provided valuable insights into the general feelings, however more research, such as expanding the age group, around required to determine which method is truly more effective for studying.

A+