

Grade 9 & 10 Survey

**The Most Enjoyable Mandatory
Subject in High School**

Max

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Math 9

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Heritage Woods Secondary School

Question, Prediction, Collection of Data & Data Table

Question:

What is your most enjoyable mandatory subject in high school?

Prediction (Subjective Judgement):

I think that science will be the most enjoyable subject because it is a hands-on class and from observation, I've heard that science is a lot better than other mandatory subjects. I think it'll translate to more people favouring science class.

Collection of Data:

When: During FLEX, lunch & Photo 9 class to not create bias in asking people in mandatory subjects.


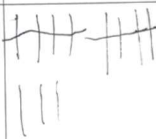



Where: Heritage Woods Secondary.

How: By asking everyone I know first, to see if there is any bias, and then go asking around randomly.

Data Table:

	English	Math	Science	Socials	Gym
# of People	2	13	19	7	21

Raw Data Table: Poll- What is Your Most Enjoyable Mandatory Subject in High School?

English	Math	Science	Socials	Gym
				
2	13	19	7	21

Analysis of Data, Calculations & Prediction Relook

Analysis Objective:

To find the probability of each answer recorded being given.

Calculations:

Equation: $p \div t = \text{Analysis Objective}$

p	Number of people who chose that subject
t	Total people surveyed

English: $2 \div 62 = 3.22\%$ chance

Math: $13 \div 62 = 20.97\%$ chance

Science: $19 \div 62 = 30.65\%$ chance

Social Studies: $7 \div 62 = 11.29\%$ chance

Gym: $21 \div 62 = 33.87\%$ chance

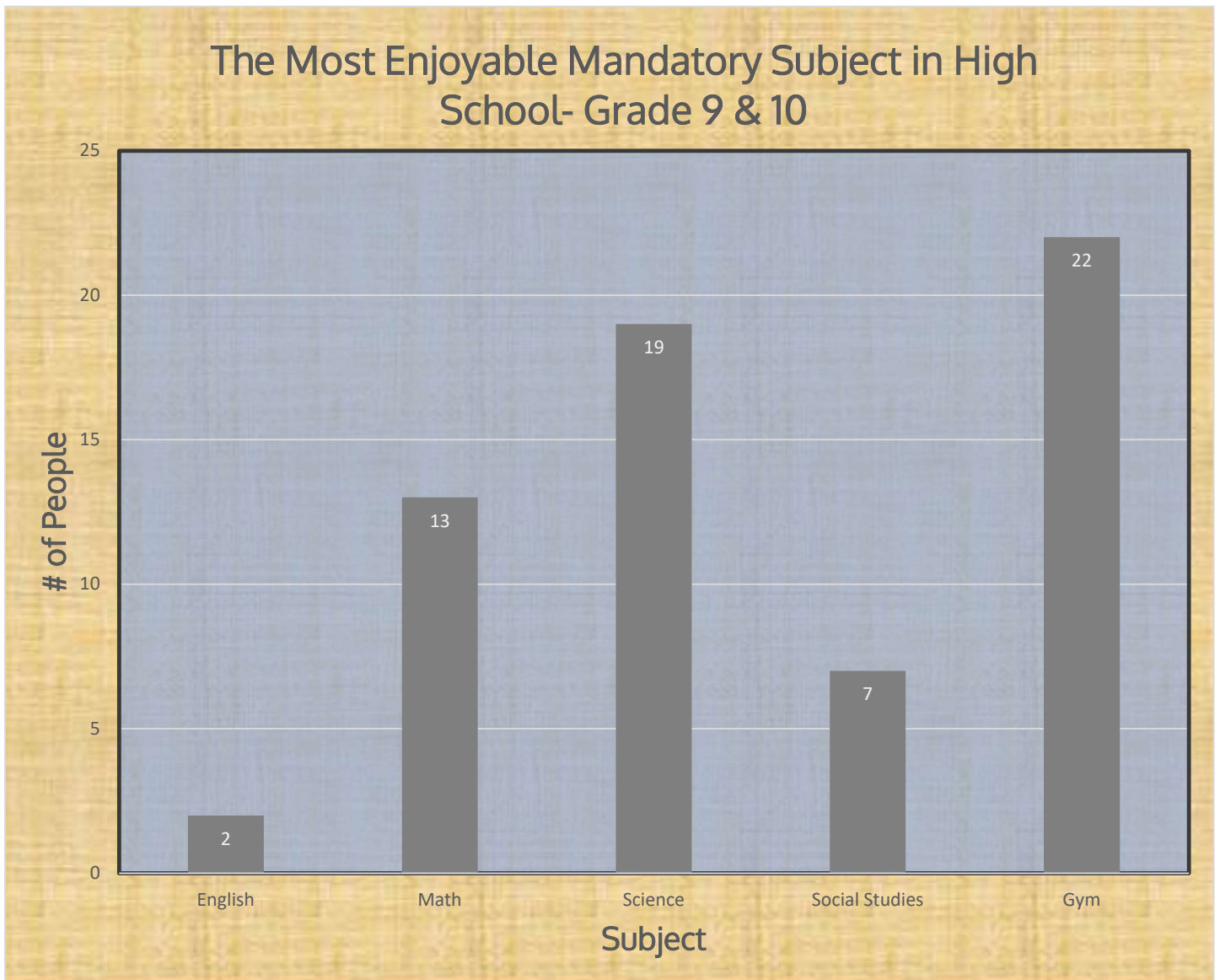
Calculations Table:

	English	Math	Science	Socials	Gym
% that selected	3.22	20.97	30.65	11.29	33.87

Relooking at my Prediction:

My original prediction is not supported by the data, as more people chose their favourite subject to be gym. I think this is caused by people favouring physical activity over learning, and it most likely doesn't have anything to do with the teacher because in the end, everyone is doing the same thing in gym, whereas other mandatory subject teachers do a slight variation of the standard curriculum, other than science and math. I also think that most people chose math, science and gym is because apparently the teachers are either strict and they constantly give you homework and big projects or because the subject increases too much in difficulty over last year's curriculum.

Bar Graph & Conclusion



Conclusion:

When I was collecting my data, I encountered a timing problem as well as an age problem. The timing problem was quite an issue because I could not collect my information when the sample was in mandatory subject classes because that would inflict bias into my survey, so I had to collect data during free time (lunch and FLEX) and during a period where I know my sample is not in a mandatory subject. Although this is not entirely fool proof because subjects from my sample could've been working on work while or right before I asked them my question. The age issue was not a big problem because I realised that grade 11 and 12 students don't have to take gym, so I just adjusted my sample accordingly.

I could've changed a few things in the planning stage as well. I would've changed my question all together to avoid any bias, and to plan and make sure I ask an even amount of people in both genders and grades.

I think I'm satisfied with the data I collected and the outcome, although there was a lot of outside forces affecting the judgement of the subjects.