

HL Math Rubric	The Plan	Math Report	Teamwork & Participation	Quality of Presentation	Total
/20	/5	/5	/8	/12	/50

The Plan: Read all directions first! Then type your response to each item below. Maximum one page per team in 12 pt font. _____/5	
[1]	Aim & Rationale: (Think of this as your introductory paragraph. Include what you are going to do and why.)
For each criterion, Write just enough to convince me that you understand the expectations and have a reasonable plan to address them. Every IA is different, so some questions may not be appropriate to your work. See the HL Math Exploration Rubric for criteria details.	
[1]	A: Communication 1. How will you organize the presentation of your ideas? 2. What visuals will you use? 3. What will you include in your conclusion?
[1]	B: Mathematical Presentation 1. Define key terms (terms that are not common knowledge but are helpful in reading your work). 2. What degree of accuracy will be appropriate? 3. What forms of mathematical representation will be appropriate? (Formulae, diagrams, tables, charts, etc.). Be specific.
[1]	C: Personal Engagement 1. Why this topic is meaningful to you? 2. List any “what if” questions that helped you develop your work. 3. How will you make your paper unique through independent thought and/or creative use of mathematics?
[1]	D: Reflection 1. How will you know and demonstrate whether your mathematics and conclusion are reasonable? 2. How will you know and demonstrate whether you have accomplished your aim? 3. How will you evaluate your exploration in light of your aim and rationale? 4. What are the limitations and/or possible extensions of your work? 5. In what other ways should you evaluate/analyze/consider the merit of your exploration?

The Math Report: As a team, explain the math you have done for your exploration. _____/5	
[1]	Using correct Mathematical Notation and terminology. <i>You will be penalized for using calculator notation such as 7*x, x^3, etc.</i>
[1]	Explained your work and justified your process.
[1]	Mathematical work is correct.
[1]	Mathematical work supports your Aim.
[1]	Every member of the team can explain the math.

Teamwork & Participation	8	6	4	2
	Clear communication, everyone has a meaningful task All team members are participating for the entire period	Decent communication All team members are participating for the entire period	Some communication Some members are participating	Your team needs to work together

Quality of Presentation	4	3	2	1
	Communication Clear; Coherent; Neat Not reading slides to us	Clear; Coherent; Neat	Clear; Neat	Does not meet the standard
Math Explanation	Explained at appropriate level for this class.	Reasonably appropriate level for this class.	Somewhat appropriate level for this class.	Does not meet the standard
Engagement	Creative and Enthusiastic All team members had significant participation	Creative or Enthusiastic All team members had significant participation	Some enthusiasm All team members participate in some way	Does not meet the standard