**IB Math Studies Year 2 Vacation Work (June/July 2015)**

IB Math Studies is a two-year cumulative course. Your final IB exam will cover the content from BOTH years of math studies. Therefore, it is important to continue reviewing and relearning, if necessary, content from the first year of math studies. Therefore, this is your assignment, broken into two parts, due the first day of class in the 2015-2016 school year.

Topics we studied during year 1:

* Chapter 1 – number and algebra
* Chapter 3 – geometry and trigonometry
* Chapter 4 – mathematical models
* Chapter 8 – sets and probability
* Chapter 2 – descriptive statistics
* Chapter 5 – statistical applications
* Chapter 13 – prior learning topics

**Assignment Part 1 (depends on you, likely 2-6 hours):**

* Review your IB Math Studies Year 1 Final Exam taking note of the items where you received full or partial marks
* For EVERY part of EVERY question where you missed marks, on a separate sheet of paper:
	+ Find the place in your textbook or on the google drive in the unit files where this content was studied – note where you found this content
	+ Review the content so that you review or relearn how to do those types of problems
	+ Copy the question
	+ Redo the problem, showing all work, correctly
	+ Explain in detail how you get to the correct answer – if it is something in the graphing calculator, explain step-by-step how to do it in your calculator and write down everything that your GDC gives back to you
* At the end, total up the content that you missed points (by chapter, by topic of the syllabus/formula booklet, it depends on how you did the first part of finding the content) – What percentage of what you missed was from each chapter/major topic?

**Assignment Part 2 (1-2 hours):**

* Locate Prior Learning Topics (chapter 13) – part 2 Algebra on your CD or in your book/packet
* Complete exercises 2A to 2H, pages 525 through page 533, showing all work where necessary
* You may need to read or look at the examples if you do not recall these skills. Otherwise each section (A, B… ) of exercises should take you 5-20 minutes. That means this part of the assignment should take between 1 and 2 hours.
* There will be a test on these skills upon return (day 2 of class)