



Math Studies 2 DP
Instructor: Mr. O'Connell
Student Teacher until Dec 6th: Mr. Goldman
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<https://www.spps.org/Page/1822>



I. Course Summary

Math Studies 2 IB is the 2nd of two courses in the Math Studies International Baccalaureate Programme. It is a course that follows the prescribed international curriculum, preparing students for the IB math studies standard level exam. Students complete the internal assessment within the course that counts for 20% of their IB exam score..

II. Units of Study

Topics covered include: sequences & series, statistics, trigonometry, exponential functions, numbers, sets, Venn diagrams, probability, logic, and calculus.

III. Standards and IB DP Aims

It is the aim of all IB Diploma math courses to develop logical, critical and creative thinking as well as patience and persistence in problem solving. For a complete list of all aims please refer to the IB Math SL Subject Brief at http://www.ibo.org/globalassets/publications/recognition/5_mathsl.pdf

IV. Text/Resources

We will be working out of a textbook titled Mathematics for the International Student written by other Math Studies teachers (book is on my webpage). We will be using the TI 83 and TI 84 graphing calculators for instructional uniformity. The first week of class we will be loaning out calculators provided by the school district if you are on free or reduced lunch. You are free to use a different brand or version of calculator but you can't expect me to be proficient in it's use.

V. Methodology

In this course the students will have the opportunity to understand and appreciate both the practical use of mathematics and its aesthetic aspects. They will be encouraged to build on knowledge from prior learning in mathematics and other subjects, as well as their own experience. Students will develop mathematical intuition and understand how they apply mathematics in life.

VI. Methods of Assessment

Grades will be determined by the percentage of points earned. Unit tests, the Internal Assessment and the Final are considered summative and are 70% of your grade and the rest of the points are formative and are worth 30%. All work done late or due to unexcused absence will result in a 10% reduction in score per day for 3 days (see school assessment policy).

Chapter Tests- 30 points	Notes- 1point / day
Final Exam- 50 points	Homework- 2 points/day
Internal Assessment- 40 points	Participation- 20 points/quarter
Internal Assessment assignments- 27 points	Quizzes- 10 points

VII. Other Course Information

You will need your math notebook (or binder) everyday. Two points will be given for each day's homework which will be assessed at the beginning of class for completion. Note taking will be expected and notebooks will be evaluated during tests, one point given for each day's notes. I have high expectations for you in this course; most of you should and will sign up for the IB exam. Although the Exam is internationally curved, 70% of all of my previous students have passed the exam. Being alert in class and working with classmates are the keys to success. We are available after school for additional questions until at least 4:30 Mon-Fri until Dec 6, Th and Fri in the winter, and by appointment in the spring. For an excused absence from a class, you should contact either me or another student in the class to see what was missed. If you are absent for more than two days, you should see me about getting caught up. It is your responsibility to find out what you have missed. You should be at your desk ready to start with your phone off when the bell rings. If you are tardy you will be expected to stay after school (or before on the next day).

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