

Math SL is a **VERY** rigorous course. It will build extensively on concepts previously mastered in Pre-IB Math as well as introduce completely new concepts. You will need to work on the coursework **every single day!** Read the sections that we will cover *before* arriving so that the material is familiar to you. Time management is **essential** to being successful in Math SL.

**Do not wait until the day of the test to ask for help!!**

*\*\*Any of the following statements may be changed if the situation so warrants*

<b><u>Grading Scale:</u></b>	90%-100%	A
	80%-89%	B
	70%-79%	C
	60%-69%	D
	below 60%	F

### **Support Period:**

Support period should be utilized **anytime** there are **any** questions on **anything**. I will be available every day during support period. **Questions must be prepared in advance.**

### **Tests/Quizzes:**

\***Tests** are usually worth approximately 100 points and are always announced in advance. The lowest test score of each semester may be replaced with the averaged percent between that test and the final (before any possible curve) exam at the end of the semester. If you are absent only the day before the test, a review day, and you return the day of the test, you will be expected to take the test that day. If you are caught cheating, you will receive a zero on that test/quiz (which cannot be the test averaged with the final).

\***Make up tests** will be made up **in class** the day following your absence. Unfortunately, this means that not only are you taking a **different** test in less than optimal conditions, but you will also be missing **another** lesson! **(You will have to learn that particular lesson ON YOUR OWN).**

\***Quizzes** may or may not be announced in advance. The lowest quiz for that grading period will be dropped. There are no make-ups on quizzes. If you are absent during a quiz, that quiz is dropped.

The AHS academic (cheating) policy states:

- (1) Simply **having possession** during an exam of any prohibited or unauthorized information or device, **whether or not it is actually used**, is an act of academic dishonesty and will be dealt with as such.
- (2) **Attempted** academic dishonesty, even if unsuccessful, will be treated as academic dishonesty.

### **Homework:**

Homework is assigned *each* class meeting. Homework is to be completed on the night that it is assigned. Homework will be assessed in a variety of ways: homework quizzes, random quizzes, random

homework checks, etc. **You** are to grade it for correctness yourself and correct any mistakes. **NO WORK = NO CREDIT!!!**

It must include your name, assignment section, page, problems, and all necessary work done in **good form, with integrity**. Problems must be **clearly labeled** and presented in an orderly fashion. Do not wait until the night before the test to complete all the homework. **Absolutely NO late work will be accepted!!**

### **Make-Ups**

If you miss a lesson, it is **your responsibility** to get all of the information. You should read the missed sections from the textbook, follow and copy another student's notes, then start the missing work. I will be available to answer **specific** questions (**NOT** re-teach) during support period. If you are absent on a test day, you are to take the make-up test the day you return in class (if you miss more than one day, you have that many days before making up the test). Make-up work after an absence (or make-up test) is **your** responsibility. A homework sheet is posted for missed assignments. Homework is also posted on my website. You are responsible for seeing that any work due while you were absent is turned in upon your return. If your absence is unexcused by the office for any reason, all work due that day (including tests) will **receive zero credit**.

### **On-line Grades and Homework**

Homework is posted on my website, and is usually updated by the end of the day (although it is always written on the agenda board in the classroom, in addition to the homework sheet posted on the back wall).

Grades are posted on Aeries, and are usually updated after each test.

### **Final Exams:**

Fall semester final exams (for the Math Department) are given prior to Winter Break. Spring semester finals will be held at the end of the semester. Finals are worth approximately 15–20 percent of your grade.

Please remember that school activities do **NOT** excuse you from anything!!

# IB Math SL - *Tentative* Outline

## Topics

Year 2 (Mathematics SL)	Chapter
I. Review (pre-IB math) and begin the Internal Assessment (IA)	1-9, 12, 14, 15
II. Circular Functions and Trigonometry	10
III. Vectors (primarily in three-dimensions)	13
IV. Statistics	23, 24
V. Calculus	16-22
VI. Review for External Assessment	
VII. Non-IB topics (more trigonometry, partial fraction decomposition, conic sections, etc.)	

## External Assessment (3 hours) (These are given over two days in May)

### Written papers (*exams*)

Paper 1 (1 ½ hours) - Non Calculator	40%
Section A: Compulsory short-response questions based on the entire syllabus	
Section B: Compulsory extended-response questions based on the entire syllabus	
Paper 2 (1 ½ hours) – Graphing Calculator	40%
Section A: Compulsory short-response questions based on the entire syllabus	
Section B: Compulsory extended-response questions based on the entire syllabus	

## Internal Assessment: Exploration 20%

(The exploration is internally assessed by the teacher and externally moderated by the IBO).

The internally assessed component of this course is a mathematical exploration. This is a short report written by the student based on a topic chosen by him or her, and it should focus on the mathematics of that particular area. The emphasis is on mathematical communication (including formulas, diagrams, graphs and so on), with accompanying commentary, good mathematical writing, and thoughtful reflection.

Please sign below and return to Mrs. Gunby by August \_\_\_\_\_

I have read and I understand the course guidelines regarding requirements (including the IB external examinations and exploration), grading, expectations, and academic honesty for Mrs. Gunby's class.

\_\_\_\_\_  
Print student's name

\_\_\_\_\_  
Student signature

\_\_\_\_\_  
Print parent's name

\_\_\_\_\_  
Parent signature