

IB Math Standard Level Year 2 (Higher Level Year 1) Syllabus 2017-18

Course Guidelines

Instructor:	Mark Rogers	Tutorial Times:	7:30am – 8:25am M-Th
Meridian Phone:	(512) 660-5230		
E-mail:	m.rogers@mwschool.org	Conference Periods:	6th (10:05 – 11:45) B-days

Course Description:

IB Math Standard Level is designed to give students a conceptual and skills-based approach to exploring statistics, functions, trigonometry, vectors, probability, and calculus. Students will solve problems that humans encounter on a daily basis in an engaging fashion. Please see the unit titles in the Scope and Sequence on page 2 of this document.

Throughout the course, mathematical concepts will be taught with an emphasis on real-world application, technology, and cross-curricular interaction. Questions like “How do we optimize revenue within a business model?” “How do we apply the result of a survey to understand a broader group of people?” and “How can I use math to make my life easier?” will be addressed throughout the course.

Class Resources:

- Mr. Rogers creates a majority of the class content. This is all provided free of charge.
- Graphing calculator (BYOD or Meridian provides)
- Computers and tablets (BYOD or Meridian provides)

Required Supplies:

- Dry erase markers and dry erasers
- Pencil for paper-based assignments

Late Work and Work Missed for Excused and Unexcused Absences:

We will follow the Meridian Secondary School policy on late work and absences. This means that late work incurs a penalty of 10% per school day.

Academic Dishonesty:

Plagiarism or any other form of cheating is a violation of the Meridian Honor Code and is not tolerated. Those who cheat will be referred to the Assistant Principal for further consequences.

Grading:

20% Homework

30% Quizzes

50% Exams and Projects. Students should expect to have a major grade by the fourth week of a quarter with at least two major assessments each quarter.

Retests on major assessments are available. If a student earns below a 70% on a major assessment, the student must inform the teacher within 48 hours that he/she wants to retest. Students will be required to complete test corrections in tutorials or Saturday Opportunity School. Per Meridian Secondary School policy, the maximum grade awarded for a retest is a 70%.

Extra points on test grades are available to students who complete the test review. Amount of extra credit depends on the grade earned. 5 points are awarded for an “A” on the test review, 4 points for a “B,” 3 points for a “C,” and so on.

Tutorials:

I’m in my room each morning at 7:30am. Please say hello and ask questions!

Electronic Assignments:

Students will complete some assignments online through completing a Google form. These will be enumerated on my website and clearly labeled.

Unit Calendar:

Unit calendars covering class activities, exams, projects, readings and other assignments for each unit are available online (markrogers.weebly.com).

Scope and Sequence:

Unit	Time	Date
Unit 1: Probability	4 weeks	August
Unit 2: Vectors	5 weeks	September-October
Unit 3: IA Completion	4 weeks	October
Unit 4: Trigonometric Functions	5 weeks	November
Unit 5: Calculus Review	4 weeks	January
Unit 6: Statistics Review	5 weeks	February
Unit 7: Paper Preparation and Life Skills	4 weeks	March-May

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Verification of Receipt

After you have read these guidelines on markrogers.weebly.com (Math SL Y2 page), please sign below and return this page to me. Alternatively, you and your parent can send me an e-mail for electronic verification.

Sincerely,

Mark Rogers

I have read and understand the policies covered in Mr. Rogers's syllabus.

Print Student's Name

Print Parent/Guardian's Name

Student Signature

Parent/Guardian Signature