

IB Math Applications Yr 1

Mr. Roberts
2019 - 2020



Contact me:



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Class website:

RobertsMath.com

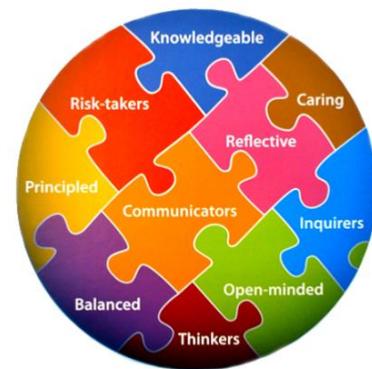


Course Description:

This is a **TWO year** course sequence in which we will complete the following Main IB Required Topics.

IB Math Applications and Interpretations Topics:

1. Number and Algebra
2. Functions
3. Geometry and Trigonometry
4. Statistics and Probability
5. Calculus



Internal Assessment/Project (20% of grade) **THIS WILL BE COMPLETED THIS YEAR!**

The main purpose of this project is to give you a chance to develop a personal insight into the nature of mathematics and develop your ability to ask your own questions about mathematics. This project will enable you to initiate and sustain a piece of work in mathematics that is authentic. This will enable you to acquire confidence in developing strategies for dealing with new situations and problems no matter where they occur. You should be able to use this project to also see connections and applications of mathematics in other areas of interest outside of the "typical" mathematics settings.

IB Math Studies Assessments- This will be completed NEXT Year!

Mathematical Studies SL is graded through an external and internal assessment. The External Assessment, worth 80% of the final grade, is composed of a Paper 1 and a Paper 2. The Internal Assessment/Project is marked by your teacher, and is worth the remaining 20% of your IB Math Studies grade.

Paper 1- May 2021 (40% of grade)

Composed of 15 *short answer questions*

Paper 2- May 2021 (40% of grade)

Composed of 6 *extended response questions*



Class Materials:

Required:

- Multiple pens and pencils
- 3-ring binder (2-3 inches)
- Multiple different colored pens and highlighters
- TI 84 Calculator. The use of a graphing calculator in IB Math Apps SL is considered an **Integral part of the course**. **Without a calculator you will not be able to participate and follow along in class thus negatively impacting your grade.**



To learn more access the International Baccalaureate Organization Math Apps SL Syllabus at:

<https://resources.ibo.org/data/mathematics-applications-and-interpretation-guide>



Class Expectations:

- You are expected to **assume responsibility for your own learning**. In other words, your success in this class is totally up to you. I am available after school to help you, but it is your job to seek help when needed.
- You are expected to **ask questions** to clarify your understanding and to enhance your learning experience. No question is a “dumb” question. If something was unclear to you, there’s a good chance that it is unclear to others as well. I will do my best to clear up any confusion, but I can only do that if you ask the questions.
- You are expected to **attend class and to be on time**. Attendance is vital in an IB class due to both content and rigor.
- You are expected to **actively participate** in classroom discussion and activities. Active learners both retain more material and are more successful in the classroom. I expect you to pay attention during class, take notes, do your homework, and be involved in the learning process. This is NOT the time to work on homework or other assignments.
- You are expected to **bring your materials** (paper, writing utensil, calculator, binder) to class every day. Obviously it is difficult to work without the appropriate “tools of the trade.” I do not have extras available, so make sure you come to class prepared.
- You are expected to **respect everyone’s right to learn** without distractions. While you may understand the topic being discussed, your neighbor might be struggling with it. During class, I ask that you respect the teacher and your co-students and refrain from talking, texting, listening to music, or distracting others.
- Please know that **I am here to help you!**



Grades:

- Students can expect daily homework assignments, quizzes, and test. I will randomly collect homework and use the provided homework rubric to grade them.
- To calculate your average compute the following:
$$\frac{\text{Total points you have earned}}{\text{Total points possible on all assignments}}$$
- Students are expected to use the online portal to check their grades regularly. If you ever have a question about your grade you must come see me after school



Test policy:

You are allowed to retake **1 exam per quarter** that must be taken on the scheduled day(s). In order to retake an exam you must do the following:

- The review for the unit exams must be completed and submitted the day of the exam.**
 - Come to extra help to complete test corrections for the unit exam you plan to retake.
 - Once all questions and mistakes are answered correctly, I will then sign your test.
 - The test retake CANNOT be taken the same day as your original test is signed. Please plan accordingly when taking a retake exam.
- *This is a non-negotiable policy! **No exceptions!** *

Google classroom/Class website:

You will join our google classroom, here I will post important announcements. If absent, have a question, not sure of a due date, etc.- you can check the course Website RobertsMath.com get each days notes, homework and answers keys which will be checked daily. I’ve posted our website in our google classroom as well. There will also be flipped classroom assignments posted in our Google classroom.



“There are no secrets to success.

It is the result of preparation, hard work, and learning from failure.”