

IBDP Mathematical Studies SL

Classroom Expectations

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Mrs. Rhodes 2016-2017

Link to Mrs. Rhodes' Website: pahsmath.weebly.com

Welcome to IB DP Math Studies! This list of guidelines contains information that will be useful to you throughout the entire school year. Therefore, keep this sheet in the front of your IB DP Math Studies notebook all year long.

Course Description: IB DP Mathematical Studies SL is a rigorous college-preparatory math class, which fulfills the International Baccalaureate requirements for a Standard Level mathematics course. The prerequisite for this course is successful completion of IBMYP Algebra II/Trigonometry. Students enrolled in IBDP Mathematical Studies SL will take the IB Mathematical Studies SL exam and complete an IB Mathematical Studies SL project (Internal Assessment or I.A.). The topics of study are:

1. Number and Algebra
2. Descriptive Statistics
3. Logic, Sets, and Probability
4. Statistical Applications
5. Geometry and Trigonometry
6. Mathematical Models
7. Introduction to Differential Calculus

Required Materials: You will be required to have the following materials each class period.

- ◆ a three ring binder (1½" - 2")
- ◆ TI-84 series graphing calculator
- ◆ pencils
- ◆ nine notebook dividers
- ◆ (Recommended: TI-84 Plus CE)
- ◆ one box of tissues
- ◆ loose leaf notebook paper
- ◆ 4 AAA batteries

Textbook: A textbook with textbook CD enclosed will be issued to every student. You may store the textbook at home or in your locker for reference and to use for practice assignments. If the textbook or the CD damaged or lost, the student will be assessed a fee of 100% of the book/CD cost, which is \$97.50, for damages that prevent re-distributing the book and CD.

Calculator

- ◆ The IB Math Studies curriculum requires that students be proficient in the use of a graphics display calculator (GDC).
- ◆ The TI-84/TI-83 calculator will be used in this class. The TI-84 series calculator will be used in this class. If you are purchasing a calculator, it is highly recommended that you buy a TI-84 Plus CE series, if possible, because the latest color features and operating system are beneficial to students. The latest operating system is compatible with any TI-84 series calculator, but it is not compatible with the TI-83 series calculators.
- ◆ **A few graphing calculators will be kept in the classroom for use on a FIRST-COME, FIRST-SERVED basis. It is not the teacher's responsibility to make sure a student has a calculator. Not having a calculator will NOT be an acceptable excuse for incomplete homework or the inability to complete an assessment/assignment. The only way to be certain that you have a calculator is to BRING YOUR CALCULATOR TO CLASS EACH DAY!**
- ◆ Sharing of calculators during a graded assessment will not be permitted.
- ◆ Mrs. Rhodes reserves the right to clear the memory of any calculator used in the classroom. Students should maintain a back-up of any calculator files or data stored on their calculator.
- ◆ Playing games or using the calculator for non-instructional purposes during class will not be tolerated.

Notebook

- ◆ Each student is required to keep a loose-leaf notebook to be used for IB DP MATH STUDIES **ONLY**.
- ◆ The notebook must contain nine section dividers. The notebook should contain one section for each of the seven topics of study listed above, one section for Internal Assessment, and one section for IB Exam Review.
- ◆ Materials within each section are to be kept in chronological order.

It is critical that each student maintain a complete and organized notebook which includes all notes and graded assessments from throughout the year. The notebook will serve as an essential resource for preparation for the IB exam.

Behavioral Expectations

You will be expected to come to class prepared with all materials, be respectful, considerate, and kind to one another and your teacher, and follow all school rules as outlined in your student handbook. If discipline problems should occur, consequences will be assigned based upon severity and frequency and may include a warning, after school detention, time out in the time out room for the remainder of the block, or a referral to administration.

Tardies: You will be counted tardy if you are not in the room when the bell rings. The PAHS tardy policy will be enforced.

Practice Assignments

- ◆ Individual practice assignments support an essential component of the learning process and will be assigned each block. Assignments will be as concise as possible and will typically require approximately 30-45 minutes to complete.
- ◆ Practice assignments will be checked and reviewed frequently and scored for the level of completion (max. 5 points) once or twice per unit. Assignments containing answers only with no work shown will be considered incomplete.
- ◆ A student who fails to complete an assignment (informational mark or graded) will be referred for Academic Development.

Assessment and Grading



Parents are reminded to visit the Parent Portal on the Internet to view up-to-date student grades and attendance (access at the PA website at princessannehs@vbschools.com). Grades will be posted continually as grading is completed and updated as needed at least once per week. Parents are advised to check the Parent Portal each week for grade updates. Major tests and projects will likely take longer than one week to grade.

Grade Calculation: Overall grades will be calculated using total points by dividing the total points earned by the total possible points to arrive at a percent. The Virginia Beach City Public Schools grading scale is:

A: 93-100	B+: 87-89	C+: 77-79	D+: 67-69	E: Below 64
A-: 90-92	B: 83-86	C: 73-76	D: 64-66	
	B-: 80-82	C-: 70-72		

Assessments

- ◆ A student's grade in this course will be a measure of the level of mastery of the content that a student demonstrates.
- ◆ A variety of assessment types will be used to formatively assess student understanding. Students should be prepared to complete assessments most class periods which will be graded for correctness and recorded as an informational mark, but not always a grade.
- ◆ Assignments, graded and otherwise, will be made up of a variety of computational problems, essay type questions, short answer questions and multiple choice questions that will model the types of problems students will be required to complete on the Math Studies Exam Papers 1 and 2 in May 2017, and for the Internal Assessment Project.
- ◆ The IB formula sheet for use in this course will be posted online, and students must print a copy to keep in their notebook. This formula sheet will be provided for use on all graded assessments and will be used on the IB examination in May.
- ◆ Generally, quizzes will be given 1-3 times per unit, tests will be given once per unit, and performance tasks (including Internal Assessment Project components) will be given 1-2 times per quarter. Practice assignments will be graded 1-2 times per unit.
- ◆ Quarter grades will be calculated as follows:
 - Tests will comprise approximately 50% of each quarter grade, and each test will be worth 100 points.
 - Quizzes will comprise approximately 40% of each quarter grade, and each quiz will be worth 35-50 points.
 - Performance assessments will comprise approximately 5% of each quarter grade, and each assessment will be worth 15 points.
 - Graded practice assignments will comprise approximately 5% of each quarter grade, and each assignment will be worth 5 points.
- ◆ The final exam will count 1/9 of the year grade.
- ◆ There will be no "extra credit". However, bonus problems **may** be offered on some tests.
- ◆ Students will have some opportunities to retake or redo graded assessments. Students will be permitted to retake one unit summative assessment per semester. To be eligible to retake an assessment the student must show evidence that additional work has been completed to achieve mastery of the content. Any student wishing to retake or redo an assessment must see Mrs. Rhodes to discuss the procedures and requirements.
- ◆ Parents and students are reminded that all student papers, tests, etc. are the property of Princess Anne High School and the instructor. These items may be sent home at the teacher's discretion. Any parent wishing to view any materials shall contact the teacher.

IB Internal Assessment: As part of the IB Math Studies curriculum, a major project consisting of individual data collection and mathematical analysis is required. This project will be counted as 20% of the *IB Math Studies exam score*. Failure to complete this project will result in being required to drop the class, receive an E for the course, and possible removal from the IB Diploma Program with the inability to earn an IB diploma. The Internal Assessment Project will be completed in stages. A portion of the completed project will be collected at each stage, along with the previous parts of the project that have been modified or updated after instructor feedback has been provided.

All students enrolled in an Advanced Placement (AP) or International Baccalaureate (IB) course are expected to take the AP or IB exam.

Attendance and Make-up Work

- ◆ It is the student's responsibility to obtain assignments missed due to absence and to submit collected assignments when complete.
- ◆ Use the syllabus to determine the lesson you are missing when absent and try the practice assignment on your own.
- ◆ **If you miss the test review day just prior to a test, YOU MUST TAKE THE TEST ON THE SCHEDULED DAY.**
- ◆ **If you miss a test day, YOU MUST TAKE THE TEST DURING CLASS ON THE DAY THAT YOU RETURN TO CLASS.**
- ◆ All make-up practice assignments and quizzes should be completed within two class periods of the date of your last Math Studies absence. Quizzes must be made up outside of class.

Extra Help

I am committed to helping students grow and learn and will help in any way I can! There simply is not enough time during class for every student to receive the *individual* help he/she may need. Students must take responsibility for their own learning, use recommended resources as needed, and seek extra help any time they feel they do not fully grasp the lesson discussed in class. I will be available for extra help after school as often as possible. See me to schedule a time to meet after school.

Electronic Devices

With the implementation of the Bring Your Own Device (BYOD) program, it can be implied that many students will be bringing their own laptops, tablets and smartphones to school with them. While we encourage the use of all technology for instructional purposes, the security of student devices is the responsibility of the student. Teachers and staff will not be held accountable for the safe keeping of student devices. Devices are to be used in classes only when the teacher clearly states they are allowed to be used as learning tools. Students who use the technology inappropriately or without direction from the teacher will be referred to the administration for discipline.

IBDP Mathematical Studies SL Classroom Expectations and Financial Responsibility Agreement

Parents : Please read and discuss these expectations with your son or daughter and return this page to me with your signature and other information below.

Your child's success is my ultimate goal, and your involvement is needed to achieve this objective. Although your child is a high school student and capable of accepting responsibility, most students need parental encouragement to remain focused and motivated to succeed. Please monitor your child's work habits to be sure that he/she is completing work regularly and seeking extra help when needed. Routinely calling the parents of all of my students is an impossibility so if you should ever have questions or concerns, please e-mail me at Patricia.Rhodes@VBSchools.com or leave a message for me at **648-5600, ext. 78523**, and I will respond as soon as possible.

Parents and students are also encouraged to subscribe to Mrs. Rhodes' Algebra 2 Trigonometry **Remind** announcements. Through this platform you may choose to receive announcements via text message, email or both, and you may unsubscribe at any time. The service is free, but standard text message rates do apply. Directions for subscribing are attached.

The **PAHS Open House** is scheduled for the evening of Thursday, September 29, 2016 at 6:00 p.m. I hope to have the opportunity to meet you then!

I have read, understood and discussed with my parent/student the class expectations for Mrs. Rhodes' class. I understand that I will be held financially responsible for any materials and equipment issued to me/my child this year.

_____, _____, _____
Student's Last Name – please print First Name Current Grade Level

Student E-mail Address

_____, _____
Student Signature Date

_____, _____
Parent/Guardian Name – please print Relationship to student

_____, _____, _____
Home Phone Work / Cell Phone Parent/Guardian E-mail Address
circle one

_____, _____
Parent/Guardian Signature Date

What is Remind?



Remind is a simple way for you to stay informed and up-to-date with what's happening in your class. By joining your teacher's class on Remind, you're choosing to receive class messages via push notifications, SMS, or email.

Don't worry, your phone number will not be shared with the teacher or anyone else in the class.

Visit remind.com to learn more.

To sign up for Mrs. Rhodes' MATH STUDIES ANNOUNCEMENTS in Remind:

Choose a way to receive your messages.

A

If you have a smartphone, get push notifications.

On your iPhone or Android device, open your web browser and use the link:

rmd.at/3khba9

Follow the instructions to sign up for Remind.

You will be prompted to download the mobile app.



B

If you do not have a smartphone, get text notifications.
Text the message **@3khba9** to the number **81010**.

If you have trouble with 81010,
try texting @3khba9 to (571)364-6542.



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