**IB MATHEMATICS HIGH LEVEL SYLLABUS for 2019-2020**

**Grimsley High School Mathematics Department**

1. Objectives:
   1. To reinforce and extend the student’s mathematical knowledge of calculus, algebra, and geometry.
   2. To provide a course in college level mathematics beyond the scope of calculus.
   3. To prepare students to successfully complete the International Baccalaureate Mathematics High Level Examination.
2. Texts: Algebra and Geometry – A Search for Meaning by Gage

Various other supplementary texts

1. Major topics: See outline from IB (link on course page).
2. Materials: You will need a notebook for class notes, homework, and classwork.

Keep regular loose-leaf paper in the back for work to be turned in. You will need your book, calculator, straightedge, and pencils with you daily. Supplementary material is an important part of this course. Attach any “hand-outs” in your notebook along with the solutions to the problems.

1. Tests: Thursday is the math test day this year. Plan on at least one

test or quiz every two weeks. Be prepared for “pops” at any time. You will have a semester exam at the end of first semester. You will be required to take the IB exam in May which will cover your year’s work.

1. Assignments: Assignments will be given daily and must be done! You must

complete all work neatly and in pencil. Be thorough and show all of your work and not just the answer. In addition to regular classwork each student will have to complete a mathematical investigation in the area of their choosing which will be submitted to the IB Organization.

1. Grading: The “daily class average” is the average of the homework,

classwork, and pop quiz grades where the lowest of these is dropped for perfect attendance during the nine weeks. This grade will then count as 20% and the average of major grades will count as 80% of your nine week’s grade. Major grades consist of tests, calculator labs, investigation assignments and other forms of assessment. If we have five major grades in a quarter, one will be dropped when arriving at the quarter grade.