

IB Math SL 1 (Honors Pre-Calculus)



Student Testimonials

[Amy](#)

[Brian](#)

Prerequisite Essential Concepts

- Strong Algebra 2 Skills
- Trigonometry

Program of Studies Key Concepts

- Algebra
 - Sequences and Series
 - Exponents and Logarithms
 - Binomial Theorem
- Functions & Equations
 - Concept of a Function
 - Graph of a Function
- Circular Functions and Trigonometry
 - Radian Measure
 - Length of an Arc
 - Area of a Sector
 - Unit Circle
 - Double Angle Formulae

Basic Supplies

- TI-83 or TI-84 Calculator
- Pencils, Erasers, Lined Paper
- Ruler, Graph Paper
- Colored Pencils
- Highlighter

Homework Expectations

- 60-90 minutes per 90 minute class

- Transformations of Graphs
- Reciprocal Function
- Quadratic Function
- Exponential Function
- Logarithmic Function

- Circular Functions
- Trigonometric Identities and Equations
- Solution of Triangles
- Vectors
 - 2-Dimensional
 - 3-Dimensional
 - Representation of Line as $r = tb$

Prerequisite Courses

- Algebra 1
- Geometry
- Pre-IB Algebra 2