

# IB Mathematics: Analysis & Approaches (AA)

## Standard & Higher Levels

11<sup>th</sup> Grade Intl. [5 or 3 periods per week dependent on SL/HL]

Mr. David Berkowitz & Mr. Don Buer

### Course Description

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This IB math course is a two-year course, required for the IB diploma. This course is designed to teach you the skills needed to apply mathematical techniques correctly, in subjects such as mathematics, physics, engineering and technology. In grade 12, SL students will write 2 papers which will make up 80% of your grade, and complete an independent research paper (Internal Assessment or IA), which will make up the additional 20%. In grade 12, HL students will write 3 papers which will make up 80% of your grade, and complete an independent research paper (Internal Assessment or IA), which will make up the additional 20%.

### Timeline

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The course will be adapted to fit the needs of each student's needs. Common topics between SL and HL students to be covered are: Quadratics, Functions, Exponents, Logarithms, Transformation of Functions, Sequences and Series, Binomial Expansion, Trigonometry, Vectors, and Complex Numbers (HL only).