

# 12 FB - Mathématiques Specialty

Term. (12<sup>th</sup> Grade FB ES) [6 periods per week]

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## Course Description

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The math curriculum in grade 12 will take all elements taught in grade 11 and go more in depth.

The 12 FB grade French math curriculum is focused on three main themes.

Algebra and geometry

Analysis

Probability

In addition to those notions, students will have to get familiar with coding, new mathematic notation and logic.

## Timeline

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The time spent and order for each chapter may change depending on the students' needs.

Chapter 1 (2 weeks): Combinatorics

Chapter 2 (2,5 weeks): Sequences and proof by induction

Chapter 3 (2 weeks): Conditional probability and binomial distribution

Chapter 4 (2,5 weeks): Calculus

Chapter 5 (2 weeks): Logarithm function

Chapter 6 (2 weeks): 3D geometry

Chapter 7 (2 weeks): Limits and continuity

Chapter 8 (2 weeks): Random variables

Chapter 9 (2 weeks): Antiderivatives

Chapter 10 (2 weeks): Differential equations

Chapter 11 (2 weeks): Integration

Chapter 12 (2 weeks): Law of large numbers

Chapter 13 (2 weeks): Cosine and sine functions