

# Mathematics

3<sup>eme</sup> (9<sup>th</sup> Grade FB) [5 periods per week]

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## Course Description

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This course is taught in French.

The 9th grade French math curriculum is focused on four main themes:

- Numbers and calculus
- Statistics, Probability and Functions
- Sizes and Measurement Units
- Space and Geometry
- Students will also continue to learn algorithms, coding and computer science (GeoGebra, Google Sheets or Excel...)

They will be evaluated on the following skills:

- Searching
- Modeling
- Shaping data
- Reasoning
- Calculating
- Communicating

The different concepts will be introduced with a stepwise approach and worked repeatedly throughout the year.

## Timeline

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Each chapter will last one to three weeks, depending on the quantity of new skills introduced in the chapter and on the time the students will need to assimilate these new skills. Each lesson will consist of theoretical learning and an important part of practice through exercises in the classroom and at home.

The order of the chapters can possibly vary during the year, notably to avoid making the more complicated chapters during an E-learning period for example.

Chapter 1: Functions (Part 1)

Chapter 2: 3D Geometry (Part 1)

Chapter 3: Integers numbers

\* October break \*

Chapter 4: Proportionality and percentages

Chapter 5: Construction and transformation of shapes

Chapter 6: Literal calculation (Part 1)

\* Thanksgiving break \*

Chapter 7: Trigonometry (Part 1)

\* February break \*

Chapter 8: Probability (Part 1)

Chapter 13: Thales theorem

\* Winter break \*

Chapter 14: Statistics

Chapter 9: Literal calculation (Part 2)

Chapter 15: Trigonometry (Part 2)

Chapter 10: Functions (Part 2)

\* Spring break \*

Chapter 11: 3D Geometry (Part 2)

Chapter 16: Inequations solving

Chapter 12: Equations solving

Chapter 17: 3D Geometry (Part 3)