

Mathematics

4^{eme} (8th Grade) [4 periods per week]

Mr. Stephane Plancke

Course Description

The 8th grade French math curriculum is focused on four main themes:

Numbers and operations

Statistics and probability

Sizes and Measurement Units

Space and Geometry

Students will also continue to learn algorithms, coding and computer science. 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

The time spent on each subject may change according to student needs.

Review of order of operations on integers

Proportionality and scaling

Square roots and number sets

The Pythagorean theorem

October Break

Exponents, powers of 10 and scientific notation

Statistics: measure of central tendencies and dispersion

Probabilities

February Break

Trigonometry

EPI: Scientific notation, nano to giga suffix, $v = d/t$ formula

Solving equations

April Break

Geometrical transformations

Concept of functions

3D geometry