

Speciality Maths - Premiere

5 periods a week.

In the English section of EIPACA, students follow the French mathematics curriculum but taught entirely in English.

Key words of vocabulary are given in French as well as in English, to facilitate a possible passage back into the French system at a later date.

Algebra:

- numerical sequences (in general, arithmetic & geometric, variations and limits)
- equations, quadratics (second degree polynomials)

Analysis:

- differentiation
- the exponential function
- trigonometric functions (unit circle, sine and cosine functions)

Geometry (2D):

- vectors and the dot (scalar) product
- coordinate geometry (circles, normal vectors)

Probability and statistics:

- conditional probability and independence of events
- real random variables

Algorithms and programming:

- idea of a list in Python

For more details on the French mathematics curriculum:

https://cache.media.education.gouv.fr/file/SP1-MEN-22-1-2019/16/8/spe632_annexe_1063168.pdf