

Maths - 4ème

4 periods /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.

Numbers and calculating:

- multiplying and dividing negative numbers
- adding and subtracting fractions of any denominator, multiplying and dividing fractions
- introduction to square root, square numbers
- powers of 10, standard form, powers of positive indices
- divisibility, prime numbers to 100

Algebra -- expanding single brackets, factorising a sum, solving linear equations

Statistics - median, frequency, relative frequency.

Probability - simple probabilities, opposite events

Proportionality -- cross product, continuing proportionality situations

Functions – table of values, formula, graph

Size and measures – volume of pyramids and cones, Enlargements and reductions

Space and geometry – represent space in cuboid, pyramids and cones

Plane geometry – Pythagoras, Thales (similar triangles), cosine of an angle, transformations

Algorithms and programming – if then, repeat x times, variables,

For more details on the French mathematics curriculum:

<https://www.education.gouv.fr/les-programmes-du-college-3203>