

Syllabus for MYP extended

Baseline test

Numbers:

- Write exponents in expanded form.
 - Evaluate expressions with negative and zero exponents.
 - Simplify exponents with negative exponents.
 - Know how to write a number as a power of 10.
 - Write standard number in scientific notation.
 - Know how to multiply by a power of 10.
 - Know how to use the multiplication of properties to solve .
 - Know how to multiply scientific notation numbers and standard numbers.
 - Know how to use the division properties of exponents .
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 - Know how to divide scientific notation
 - Know how to find Square roots and cube roots
 - Know how to convert square roots a exponents
 - Know how to simplify fractional exponents .
 - Able to investigate using patterns and evidence and form conjectures
 - Solve real life problem related to exponents
 - Understand the terminology in exponents as given below
- Indices, exponents ,Power , base , factors perfect square ,perfect cube ,standard notation ,scientific notation ,radicals , square root ,cube root.

Algebra:

- Solving basic equations involving algebraic fractions
- Factorizing linear and quadratic expressions
- Finding and justifying general rules/formulae for sequences

Geometry and Measurements

- Solving problems involving triangles by using Pythagoras' theorem and its converse
- Calculate area and perimeter of composite shapes
- Convert units of measurement
- Calculate perimeter of 2D-shapes
- Calculate area of 2D-shapes
- Find volume and surface area of 3D shapes all types
- Find capacity of 3D objects