

# Junior Secondary (S1-S3) Course Outline

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## Number & Algebra Strand

Basic computation

Directed numbers

Approximate values and numerical estimation

Rational and irrational numbers

Using percentages

Rates, ratios and proportions

Algebraic expressions

Linear equations in one unknown

Linear equations in two unknowns

Laws of integral indices

Polynomials

Identities

Formulae

Linear inequalities in one unknown

## Measures, Shape & Space Strand

Errors in measurement

Arc lengths and areas of sectors

3-D figures

Mensuration

Angles and parallel lines

Polygons

Congruent triangles

Similar triangles

Quadrilaterals

Centres of triangles

Pythagoras' theorem

Rectangular coordinate system

Trigonometry

## Data Handling Strand

Organisation of data

Presentation of data

Measures of central tendency

Probability