

2020 National 5 Maths Prelim Study Group – Schedule

Saturday 18th January, 11:00-13:00

Algebraic Operations

Algebraic Operations

Expanding brackets

Factoring a trinomial

Changing the subject of the formula

Algebraic Fractions

Simplifying algebraic fractions

Combining algebraic fractions

Equations & Inequations

Linear equations

Equations with fractions

Inequations

Simultaneous Equations

Algebra problems

Word problems

Surds & Indices

Simplifying surds

Rationalising fractions

Evaluating fractional powers

Saturday 18th January, 14:30-16:30

Relationships

Quadratic Functions

Solving quadratic equations

Using the discriminant

Finding roots of a quadratic graph

Finding the turning point of a quadratic graph

Finding the axis of symmetry

Trigonometric Equations

The CAST method

Solving trigonometric equations

Solving for negative values

Transforming Trigonometric Graphs

Writing the formula of transformed graphs

Straight Line Graphs

Calculating the gradient

Finding the equation from two points

Finding the x and y intercept

Arc Length & Sector Area

Finding Arc Length

Finding Sector Area

Working Backwards