

Year 7 Maths



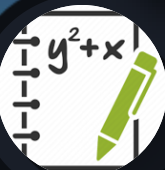
The Rudheath
Senior Academy

Year
7

Sequences.



Understand and
use algebraic
notation.



Place value and
ordering integers
and decimals.



Fraction, decimal
and percentage
equivalence.



Solve problems
with addition and
subtraction.



Solve problems
with
multiplication
and division.



Operations and
equations with
directed number.



Addition and
subtraction of
fractions.



Constructing,
measuring and
using geometric
notation.



Developing
geometric
reasoning.



Sets and
probability.



Prime numbers
and proofs.



To Year 8 ...

Year 8 Maths

Year
8



The Rudheath
Senior Academy

Ratio and
scale.



Multiplying and
dividing fractions.



Representing
data.



Working in the
cartesian plane.



Tables and
probability.



Indices.



Brackets
equations and
inequalities.



Fractions and
percentages.



Standard index
form.



Angles in
parallel lines
and polygons.



Area of
trapezia and
circles.



Line symmetry
and reflection.



The data
handling
cycle.

Measures and
location.



To Year 9 ...

Year 9 Maths



The Rudheath
Senior Academy

Year
9



Straight line
graphs.



Forming and
solving equations.



Three-dimensional
shapes.



Constructions and
congruency.



Using
percentages.



Maths and
money.



Rotation and
translation.



Pythagoras'
theorem.



Enlargement and
similarity.



Solving ratio
and
proportion
problems.



Rates.



Probability.

To Year 10 ...

Year 10 Maths



The Rudheath
Senior Academy

Year
10

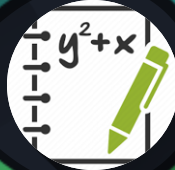
Congruence
& similarity.



Trigonometry.



Representing
solutions to
equations and
inequalities.



Simultaneous
equations.



Angles and
bearings.



Vectors.



Working with
circles.



Ratios and
fractions.

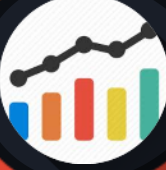


Percentages and
interest.



Probability.

Collecting,
representing and
interpreting data.



Types of
number and
sequences.



Non-calculator
methods.



Indices and roots.

To Year 11 ...

Year 11 Maths

Year 11



The Rudheath Senior Academy

Gradients and lines.

Non-linear graphs.

Expanding and factorising.

Functions.

Geometric reasoning.

Transforming and constructing.

To A Level Maths...

Using graphs.

Changing the subject.

Multiplicative reasoning.

Algebraic reasoning.

Listing and describing.

Show that and proofs.

