2026-2027 Scheme
Block 1: FDP (non-calculator)
Ordering and comparing fractions 1
Ordering and comparing fractions 2
Adding and subtracting fractions
Multiplying fractions and integers
Dividing fractions
Mixed fraction calculations
Four operations with mixed numbers
Multiplying fractions, integers and mixed numbers
Integer and decimal place value
Integer and decimal multiplication
Integer and decimal multiplication
Integer and decimal multiplication
Investigate the denominators of fractions and how they relate to recurring
Decimal calculations
FDP conversions
FDP conversions
FDP conversions
FDP conversions
FDP conversions
FDP conversions
Reciprocals and the reciprocal graph
Decimal multiplication and short division problems
One number as a fraction or a percentage of another
Fraction and percentage of an amount
Fraction and percentage change
Solve combined fraction problems, requiring multiple operations with
Calculate with fractions, decimals and percentages, correctly applying the
Work backwards from a fraction or percentage to find the whole. Work
Solve reverse percentage problems.
Finding an interest rate given a starting and ending balance
Review/End of topic assessment
End of Term Assessment on FDP (non-calculator)

Block 2: Linear graphs
Plotting co-ordinates
Plotting linear graphs 1
Plotting linear graphs 2
Points on the line 1
Points on the line 2
Gradient 1
Gradient 2
Gradient 3
Gradient of line segments (mix)
Linear graphs: y=mx+c with +ve gradients
Linear graphs: y=mx+c with -ve gradients
Linear graphs: y=mx+c with fractional gradients
Linear graphs: reasoning with sketches
Parallel and perpendicular lines
Investigate the gradients of perpendicular lines and construct
Recognise parallel lines have the same gradient.
Identify parallel and perpendicular lines from equations.
Real life graphs
Review/end of topic assessment
Block 3: Transformations
Translations
Reflection
Reflection in a named mirror line
Line symmetry in shapes
Rotation
Rotational symmetry in shapes
Enlargement 1
Enlargement 2
Enlargement 3
Describing transformations
Combined transformations
Invariance

Mixed transformations Practice
Review/end of topic assessment
Block 4: Non-calculator ratio and proportion
Unit conversion
Ratio notation 1
Ratio notation 2
Equivalent ratio
Simplifying ratio
Ratio in the form n:1
Ratio, fractions and percentages
Solve problems involving fractions, decimals, percentages, ratio
Sharing in a ratio 2
Worded problems with ratio
Direct proportion
Direct proportion
Value for money
Estimating population size using direct proportion
Inverse proportion
Expressing ratio and proportion algebraically and graphically
Review/end of topic assessment
End of Term test on non-calculator FDP, linear graphs, transformations, non-
Block 5: Angles and similarity
Recognising and measuring angles
Naming lines and angles
Angles around straight lines and points
Angles in triangles and quadrilaterals
Multi-step angle reasoning problems
Angles and parallel lines 1
Angles and parallel lines 2
Angle notation, parallel lines
Mixed angle reasoning
Polygons

Interior angles in polygons
Exterior angles in polygons
Tessellations
Angles and ratio problems
Similar shapes
Similar shapes
Similar shapes
Identifying and proving similarity
Prove shapes are similar where the two shapes are embedded inside each
Use parallel line angle facts to prove similarity.
Identify and prove similarity in compound shapes
Review/end of topic assessment
Block 6: Pythagoras and trigonometry
Rounding
Pythagoras 1
Pythagoras 2
Pythagoras 3
Pythagorean triples and the converse
Calculate the distance between two points.
Find a 3D distance between points
Trigonometry
Sine
Cosine
Tan
Mixture sin, cos, tan finding lengths
Finding angles
Angles of elevation and depression
Pythagoras and Trigonometry mixture
Proving similarity with Pythagoras and trigonometry
Area of any triangle 1/2absinC
Review/end of topic assessment
Block 7: Probability

Describing probabilities 1
Describing probabilities 2
On the probability scale
Probabilities that sum to 1
Equally likely outcomes
Mutually exclusive and exhaustive events
Probability trees
Listing outcomes
Sample space diagrams
Product rule for counting
Product rule for counting
Product rule for counting
Experimental probability/relative frequency
Expectation
Fairs and biased events
Reverse probability problems
Frequency trees
Two way tables
Venn diagrams 1
Venn diagrams 2
Venn diagrams 3
Conditional probability (extension)
Recognise complements of regions on Venn diagrams, e.g. (AnB)'
Multiple representations
Review/end of topic assessment
Block 8: Maps and constructions
Using compasses and a protractor
Compass directions
Scale diagrams
Directions and map scales
Measuring bearings
Calculating bearings using angle rules
Calculating bearings using parallel line angle facts

Bearings and trigonometry
Using compasses to create loci
Bisecting lines and equidistant points
Bisecting angles
Perpendicular line at a point
Mixed loci and equidistance problems
Constructing loci and map scales
Constructing triangles
Recognise impossible constructions by considering properties of triangles.
Congruent triangles
Plans and elevations
Review/end of topic assessment
Block 9: Percentages and calculations (calculator)
One number as a fraction or percentage of another
Fraction of an amount
From one fraction to another
Percentage of an amount
Percentage of an amount
Percentage change
Percentage increase/decrease
Percentage profit and loss
Reverse percentage problems
Repeated percentage change
Repeated percentage change (growth and decay)
Work backwards with successive percentage changes, to find the original
Recognise the graphs of exponential growth and decay.
Order of operations
Review/end of topic assessment
End of year exam on all topics in KS3

Notes
Notes
Fractions less than one
Mixed numbers and improper fractions
Multiplying and dividing by 10, & 100
Written methods
From one calculation to another
Using short division
Fractions and percentages
Percentages and decimals
Mixed
Review
Fractions to recurring decimals
Recurring decimals to fractions
Review

Review
Using a table of values
Negative and fractional coefficients
Is a point on the line. Finding missing co-ordinates
Finding x and y intercepts
Line segments with integer gradients
Line segments with fractional gradients
Lines on co-ordinate grids
Fractional scale factors
Negative scale factors

Review
with unit conversions
Work backwards from known amounts to the whole.
Finding one part
Given an amount
Graphs and unitary method
Recipes
Best buys
Capture/recapture
-calculator ratio and proportion
Notation
Corresponding and alternate angles - introduce the
Co-interior angles and identifying angles
Review
Review
Naming and identifying

Investigate which shapes will tessellate by
Identifying corresponding sides
Finding missing lengths
Missing lengths in rotated/reflected shapes
Review
Finding the hypotenuse
Finding shorter sides
Mixture
Is this triangle right angled?
Using co-ordinate pairs
In cuboids and pyramids
Naming sides in right angled triangles
Finding sides
Finding sides
Finding sides

Impossible, unlikely, even chance, likely, certain
Using fractions, decimals, percentages
Estimating probabilities
Independent events
Dependent events
Effect of order
Could there be a certain number of counters?
Union and intersection
Complements
In context
Using tree/Venn/sample space/two-way table for
Using maps and scales

from a point, from a line
SAS, AAS, SSS, RHS
non-calc recap
using multipliers
Changing by a percentage non-calc
using multipliers
Compound interest