


Curriculum Long Term Planning Overview

Key Stage 3

**Subject Area:
Maths**

Academic Year: 2022-23

Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 7 Set 3	Study Modules	<p>Factors, Multiples, Primes, Powers and Roots</p> <p>Solve problems involving prime numbers</p> <p>Use HCF to solve problems</p> <p>Use LCM to solve problems</p> <p>Explore powers and roots</p> <p>Investigate number patterns</p>	<p>Ordering Negative Numbers and Fractions</p> <p>Compare numbers</p> <p>Order numbers</p> <p>Multiplying, Dividing (Including Decimals) and BIDMAS</p> <p>Apply understanding of place value</p> <p>Explore written methods of calculation</p> <p>Calculate with decimals</p> <p>Know and apply the correct order of operations</p>	<p>Visualising and Constructing</p> <p>Interpret geometrical conventions and notation</p> <p>Apply geometrical conventions and notation</p> <p>Investigating Properties of Shapes</p> <p>Investigate the properties of 3D shapes</p> <p>Explore quadrilaterals</p> <p>Explore triangles</p> <p>Algebraic Manipulation</p> <p>Understand the vocabulary and notation of algebra</p> <p>Manipulate algebraic expressions</p> <p>Explore functions</p> <p>Evaluate algebraic statements</p>	<p>Algebraic Manipulation</p> <p>Understand the vocabulary and notation of algebra</p> <p>Manipulate algebraic expressions</p> <p>Explore functions</p> <p>Evaluate algebraic statements</p>	<p>Exploring Fractions, Decimals and Percentages</p> <p>Understand and use top-heavy fractions</p> <p>Understand the meaning of 'percentage'</p> <p>Explore links between fractions and percentages</p> <p>Ratio and Proportional Reasoning</p> <p>Understand and use ratio notation</p> <p>Solve problems that involve dividing in a ratio</p> <p>Sequences</p> <p>Explore number sequences</p> <p>Explore sequences</p>	<p>Sequences</p> <p>Explore number sequences</p> <p>Explore sequences</p> <p>Measuring Space</p> <p>Measure accurately</p> <p>Convert between measures</p> <p>Solve problems involving measurement</p>
		<p>Ordering Negative Numbers and Fractions</p> <p>Compare numbers</p> <p>Order numbers</p>					



					Understand the meaning of 'percentage'		
					Explore links between fractions and percentages		



Assessment

Open book end
of topic
assessment

Closed book end
of term test

Open book end
of topic
assessment

Open book end
of topic
assessment

Open book end
of topic
assessment

Closed book end
of term test



Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
-------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

**Year
8
Set
3**

**Study
Modules**

Investigating

**Solving
Equations
and
Inequalities**

Solve missing
number
problems

Understand
and use
algebra

**Calculating
Space**

Develop
knowledge of
area

Investigate
surface area

Explore
volume

**Sequences
II**

Explore
sequences

**Solving
Equations
and
Inequalities
II**

Explore ways
of solving
equations

Solve two-step
equations

Solve
three-step
equations

Checking,

Transformations

**Presentation
of Data**

Explore types
of data

Construct and
interpret
graphs

Select
appropriate
graphs and
charts

**Numbers
and The
Number
System**

Identify and
use the prime
factorisation
of a number

Understand
and use
standard form

**Exploring
Fractions,
Decimals
and
Percentages**

Explore links
between
fractions,
decimals and
percentages

Calculating

Calculate with
negative
numbers

Apply the
correct order
of operations

Angles

Investigate angles

Calculating Fractions, Decimals and Percentages

Calculate with fractions

Calculate with percentages

Explore lines on the coordinate grid

Use


Approximating

**and
Estimating**

Explore ways
of
approximating
numbers

Explore ways
of checking
answers

transformations to



					move shapes		
					Describe		



transformations



					<p>Measuring Data</p> <p>Investigate averages</p> <p>Explore ways of summarising data</p> <p>Analyse and compare sets of data</p>		
--	--	--	--	--	--	--	--



Assessment

Open book
end of topic
assessment

Closed book
end of term
test

Open book
end of topic
assessment

Open book
end of topic
assessment

Open book
end of topic
assessment

Closed book
end of term
test

