

Subject – Mathematics

	Half term 1	Half term 2	Half term 3
Year 7	<p>Higher</p> <p>N1.2 Multiplying whole numbers N2.3 Multiplying and dividing by powers of 10 N7.2 Factors, primes and powers N3.2 Rounding larger numbers GM1.5 Interpreting scales GM1.6 The metric system GM5.2 Cartesian coordinates in four quadrants GM5.3 Translation</p> <p>Intermediate</p> <p>N1.2 Multiplying whole numbers N2.2 Writing and ordering decimals N2.3 Multiplying and dividing by powers of 10 N7.2 Factors, primes and powers N3.2 Rounding larger numbers GM1.5 Interpreting scales GM1.6 The metric system GM5.2 Cartesian coordinates in four quadrants GM5.3 Translation</p> <p>Foundation</p> <p>N2.1 Whole numbers N1.1 Adding and subtracting whole numbers N7.1 Multiples N3.1 Rounding to the nearest 10 or 100 GM1.1 Length GM1.2 Mass GM1.3 Time GM1.4 Volume GM5.1 Position and cartesian coordinates</p>	<p>Higher</p> <p>N1.3 Adding and subtracting decimals N3.3 Rounding decimals to the nearest integer SP1.1 Mode, median and range SP1.2 Using mean, median, mode and range SP2.2 Stem and leaf diagrams GM2.4 Rotational symmetry GM5.5 Rotation GM6.1 Properties of 3-D shapes</p> <p>Intermediate</p> <p>N1.3 Adding and subtracting decimals N3.3 Rounding decimals to the nearest integer SP1.3 Using frequency tables SP2.4 Pie charts GM2.2 Line symmetry GM5.4 Reflection</p> <p>Foundation</p> <p>N1.3 Adding and subtracting decimals SP2.1 Using tables and charts GM2.1 Common shapes GM2.2 Line symmetry GM4.1 Angles in degrees</p>	<p>Higher</p> <p>N1.5 Adding and subtracting negative numbers N1.6 Multiplying and dividing negative numbers SP3.1 Collecting data SP1.2 Using mean, median, mode and range A1.3 Combining variables A1.4 Working with formulae</p> <p>Intermediate</p> <p>N2.4 Negative numbers SP1.3 Using frequency tables SP2.3 Vertical line charts A1.1 Making and using word formulae A1.2 Using letters</p> <p>Foundation</p> <p>N2.4 Negative numbers SP1.3 Using frequency tables SP2.3 Vertical line charts N2.4 Negative numbers</p>
	Half term 4	Half term 5	Half term 6
Year 7	<p>Higher</p> <p>N4.3 Multiplying fractions GM2.3 Angle facts (algebraic part can be postponed until after A1.3 for less confident learners) A2.2 Generating sequences</p> <p>Intermediate</p> <p>N4.2 Finding equivalent fractions GM2.3 Angle facts (algebraic part can be postponed until after A1.3 for less confident learners)</p> <p>A2.2 Generating sequences</p>	<p>Higher</p> <p>N5.3 Converting between fractions, decimals and percentages SP4.1 Introduction to probability SP4.2 Single event probability GM2.5 Angles in triangles and quadrilaterals GM4.2 Constructions with a ruler and protractor</p> <p>Intermediate</p> <p>N5.1 Understanding and using percentages N5.2 Calculating percentages of quantities SP4.1 Introduction to probability GM2.5 Angles in triangles and quadrilaterals</p>	<p>Higher</p> <p>N7.3 Divisibility tests N2.5 Using the number system effectively N3.4 Rounding decimals N3.5 Significance A3.1 Real-life graphs GM3.2 Finding area and perimeter</p> <p>Intermediate</p> <p>N1.4 Dividing whole numbers A3.1 Real-life graphs GM3.1 Understanding area</p>

	<p>Foundation</p> <p>N4.1 Understanding fractions</p> <p>GM2.3 Angle facts (algebraic part can be postponed until after A1.3 for less confident learners)</p> <p>A2.1 What is a sequence?</p>	<p>Foundation</p> <p>N5.1 Understanding and using percentages</p> <p>SP4.1 Introduction to probability</p> <p>GM2.5 Angles in triangles and quadrilaterals</p>	<p>Foundation</p> <p>N1.4 Dividing whole numbers</p> <p>A3.1 Real-life graphs</p> <p>GM3.1 Understanding area</p>
	Half term 1	Half term 2	Half term 3
Year 8	<p>Higher</p> <p>N1.7 Order of operations BIDMAS</p> <p>A2.3 Linear sequences</p> <p>GM2.6 Types of quadrilateral</p> <p>GM2.7 Angles and parallel lines</p> <p>Intermediate</p> <p>N2.3 Multiplying and dividing by powers of 10</p> <p>N7.2 Factors, primes and powers</p> <p>N1.5 Adding and subtracting negative numbers</p> <p>N1.6 Multiplying and dividing negative numbers</p> <p>A2.2 Generating sequences</p> <p>GM2.5 Angles in triangles and quadrilaterals, possibly postpone algebra until A1.4 complete.</p> <p>Foundation</p> <p>N1.2 Multiplying whole numbers</p> <p>N2.2 Writing and ordering decimals</p> <p>N2.3 Multiplying and dividing by powers of 10</p> <p>N3.2 Rounding larger numbers</p> <p>N7.2 Factors, primes and powers</p> <p>(A2.1 What is a sequence) covered in year 7, review if necessary.</p> <p>GM2.3 Angle facts, met in year 7, postpone algebra until A1.3 done.</p>	<p>Higher</p> <p>A1.5 Setting up and solving simple equations</p> <p>A1.6 Using brackets</p> <p>SP2.6 Scatter diagrams</p> <p>N4.4 Adding and subtracting fractions</p> <p>N4.5 Working with mixed numbers</p> <p>N4.6 Dividing fractions</p> <p>GM4.3 Constructions with a pair of compasses</p> <p>GM6.2 Understanding nets</p> <p>Intermediate</p> <p>A1.3 Combining variables</p> <p>SP2.2 Stem and leaf diagrams</p> <p>SP1.1 Mode, median and range</p> <p>SP1.2 Using mean, median, mode and range</p> <p>SP3.1 Collecting data</p> <p>N4.3 Multiplying fractions</p> <p>N7.3 Divisibility tests</p> <p>GM4.2 Constructions with a ruler and protractor</p> <p>GM2.4 Rotational symmetry</p> <p>GM2.6 Types of quadrilateral</p> <p>GM6.1 Properties of 3-D shapes</p> <p>Foundation</p> <p>A1.1 Making and using word formulae (A1.2 Using letters) to support A1.3 if required.</p> <p>SP2.3 Vertical line charts</p> <p>SP2.4 Pie charts</p> <p>N4.2 Finding equivalent fractions</p> <p>N1.4 Dividing whole numbers (N7.3 Divisibility tests can be included here)</p> <p>GM6.1 Properties of 3-D shapes</p> <p>GM6.2 Understanding nets</p>	<p>Higher</p> <p>A3.2 Plotting graphs of linear functions</p> <p>N1.8 Multiplying decimals</p> <p>N1.9 Dividing decimals</p> <p>GM1.8 Bearings</p> <p>GM3.3 Circumference</p> <p>Intermediate</p> <p>A1.4 Working with formulae</p> <p>A3.1 Real-life graphs</p> <p>N1.7 Order of operations BIDMAS</p> <p>GM1.5 Interpreting scales</p> <p>GM1.8 Bearings</p> <p>Foundation</p> <p>A1.2 Using letters</p> <p>N1.3 Adding and subtracting decimals</p> <p>GM1.5 Interpreting scales</p> <p>N3.3 Rounding decimals to the nearest integer</p>

	Half term 4	Half term 5	Half term 6
<b>Year 8</b>	<p>Higher</p> <p>A1.7 Working with more complex equations</p> <p>A1.8 Solving equations with brackets</p> <p>SP4.3 Combined events</p> <p>N6.1 Understanding ratio notation (all can do this)</p> <p>N6.2 Sharing in a given ratio</p> <p>N6.3 Working with proportional quantities</p> <p>GM1.7 Metric-imperial conversions (link with N6.3)</p> <p>GM1.9 Scale drawing</p> <p>GM5.6 Enlargement</p> <p>Intermediate</p> <p>A1.5 Setting up and solving simple equations</p> <p>A1.6 Using brackets</p> <p>SP4.1 Introduction to Probability</p> <p>SP4.2 Single event probability</p> <p>N2.5 Using the number system effectively</p> <p>N6.1 Understanding ratio notation (all can do this)</p> <p>GM5.5 Rotation</p> <p>Foundation</p> <p>A1.3 Combining variables</p> <p>(N4.2 Finding equivalent fractions to support probability if necessary)</p> <p>GM1.6 The metric system</p> <p>N6.1 Understanding ratio notation (all can do this)</p> <p>GM5.2 Cartesian coordinates in four quadrants</p> <p>GM5.3 Translation</p>	<p>Higher</p> <p>N7.4 Index notation</p> <p>A2.4 Special sequences</p> <p>GM6.3 Volume and surface area of cuboids</p> <p>Intermediate</p> <p>N7.4 Index notation</p> <p>A2.3 Linear sequences</p> <p>GM3.2 Finding area and perimeter</p> <p>GM6.2 Understanding nets</p> <p>Foundation</p> <p>(N7.2 Factors, primes and powers)</p> <p>N7.4 Index notation</p> <p>N1.5 Adding and subtracting negative numbers</p> <p>A1.4 Working with formulae</p> <p>A2.2 Generating sequences</p> <p>GM3.1 Understanding area</p> <p>GM6.1 Properties of 3-D shapes</p>	<p>Higher</p> <p>A4.1 Trial and improvement</p> <p>S3.2 Designing a questionnaire</p> <p>S1.4 Using grouped frequency tables</p> <p>S2.5 Displaying grouped data</p> <p>N5.4 Applying percentage increases and decreases to amounts</p> <p>GM6.4 2-D representations of 3-D shapes</p> <p>Intermediate</p> <p>A4.1 Trial and improvement</p> <p>SP3.1 Collecting data</p> <p>SP1.3 Using frequency tables</p> <p>N3.4 Rounding decimals</p> <p>N5.3 Converting between fractions decimals and percentages</p> <p>GM6.3 Volume and surface area of cuboids</p> <p>Foundation</p> <p>A1.5 Setting up and solving simple equations</p> <p>SP1.1 Mode, median and range</p> <p>SP1.2 Using mean, median, mode and range</p> <p>SP2.2 Stem and leaf diagrams</p> <p>N5.1 Understanding and using percentages</p> <p>N5.2 Calculating percentages of quantities</p> <p>GM2.4 Rotational symmetry</p> <p>GM6.2 Understanding nets</p>
	Half term 1	Half term 2	Half term 3
<b>Year 9</b>	<p>Higher</p> <p>A3.3 The equation of a straight line</p> <p>SP1.4 Using grouped frequency tables</p> <p>SP2.5 Displaying grouped data</p> <p>GM3.4 Area of circles</p> <p>N2.6 Writing numbers in standard form</p> <p>Intermediate</p> <p>A3.2 Plotting graphs of linear functions</p> <p>SP3.2 Designing a questionnaire</p> <p>SP2.6 Scatter diagrams</p>	<p>Higher</p> <p>A1.9 Simplifying harder expressions</p> <p>GM3.5 Pythagoras' theorem</p> <p>N5.5 Finding the percentage change from one amount to another</p> <p>N5.6 Reverse percentages</p> <p>Intermediate</p> <p>A1.7 Working with more complex equations</p> <p>A1.8 Solving equations with brackets</p>	<p>Higher</p> <p>A4.2 Linear inequalities</p> <p>GM2.8 Angles in a polygon</p> <p>N7.5 Prime factorisation</p> <p>SP1.5 Interquartile range</p> <p>SP2.5 Displaying grouped data</p> <p>Intermediate</p> <p>A4.1 Trial and improvement</p> <p>GM 2.7 Angles and parallel lines</p> <p>GM1.8 Bearings</p>

	<p>GM3.3 Circumference N1.8 Multiplying decimals N1.9 Dividing decimals</p> <p>Foundation</p> <p>A3.1 Real-life graphs SP1.3 Using frequency tables GM3.2 Finding area and perimeter N2.5 Using the number system effectively</p>	<p>GM3.4 Area of circles N5.4 Applying percentage increases and decreases to amounts</p> <p>Foundation</p> <p>(A1.5 Setting up and solving simple equations) A1.6 Using brackets N1.7 BIDMAS</p> <p>GM3.3 Circumference N4.3 Multiplying fractions N5.3 Converting between fractions, decimals and percentages</p>	<p>N7.4 Index notation (all can attempt this) SP1.4 Using grouped frequency tables</p> <p>Foundation</p> <p>A1.7 Working with more complex equations GM 2.5 Angles in triangles and quadrilaterals GM 2.6 Types of quadrilateral N7.4 Index notation (all can attempt this) SP1.3 Using frequency tables SP2.2 Stem and leaf diagrams</p>
	Half term 4	Half term 5	Half term 6
Year 9	<p>Higher</p> <p>A2.5 Quadratic sequences A3.4 Plotting quadratic and cubic graphs GM6.5 Prisms GM1.10 Compound units N6.4 The constant of proportionality</p> <p>Intermediate</p> <p>A2.4 Special sequences A3.3 The equation of a straight line GM6.4 2-D representations of 3-D shapes N4.5 Working with mixed numbers GM1.7 Metric-imperial conversions N6.3 Working with proportional quantities</p> <p>Foundation</p> <p>N1.6 Multiplying and dividing negative numbers A2.3 Linear sequences (A3.2 Plotting graphs of linear functions) GM6.3 Volume and surface area of cuboids N6.1 Understanding ratio notation</p>	<p>Higher</p> <p>A4.3 Solve pairs of equations by substitution A4.4 Solve simultaneous equations using elimination A4.5 Using graphs to solve simultaneous equations N3.6 Approximating N3.7 Limits of accuracy GM4.4 Loci</p> <p>Intermediate</p> <p>A4.2 Linear inequalities N3.5 Significance GM1.9 Scale drawing GM4.3 Constructions with a pair of compasses</p> <p>Foundation</p> <p>A3.2 Plotting graphs of linear functions N3.4 Rounding decimals GM1.7 Metric-imperial conversions GM1.8 Bearings GM4.2 Constructions with a ruler and protractor</p>	<p>Higher</p> <p>A4.3 Solve pairs of equations by substitution A4.4 Solve simultaneous equations using elimination A4.5 Using graphs to solve simultaneous equations N3.6 Approximating N3.7 Limits of accuracy GM4.4 Loci</p> <p>Intermediate</p> <p>N6.2 Sharing in a given ratio A1.9 Simplifying harder expressions GM5.6 Enlargement SP4.3 Combined events N4.4 Adding and subtracting fractions N4.6 Dividing fractions</p> <p>Foundation</p> <p>N6.3 Working with proportional quantities (A1.4 Working with formulae) (A1.5 Setting up and solving simple equations) (A1.6 Using brackets) (A1.7 Working with more complex equations) A1.8 Solving equations with brackets GM5.4 Reflection</p>

Year 10	Half term 1	Half term 2	Half term 3
	<p>Higher</p> <p>N7.6 Rules of Indices (N2.6 Writing numbers in standard form) N2.7 Calculating with standard form (A1.8 Solving equations with brackets)</p> <p>A1.9 Simplifying harder expressions A1.10 Using complex formulae GM3.5 Pythagoras' theorem</p> <p>GM1.11 Dimensions of formulae</p> <p>GM1.12 Working with compound units</p> <p>Intermediate</p> <p>N7.4 Index notation N7.5 Prime factorisation N2.5 Using the number system effectively A1.4 Working with formulae</p> <p>A1.6 Using brackets (GM3.3 Circumference) GM3.4 Area of circles GM1.7 Converting approximately between metric and imperial units</p> <p>Foundation</p> <p>N1.6 Multiplying and dividing negative numbers N3.4 Rounding to 2 decimal places A1.4 Working with formulae GM3.2 Finding area and perimeter GM1.7 Converting approximately between metric and imperial units</p>	<p>Higher</p> <p>N5.7 Repeated percentage increase/decrease</p> <p>N6.3 Working with proportional quantities N6.4 The constant of proportionality GM4.4 Loci GM6.5 Prisms GM6.8 Surface area and volume of 3-D shapes SP1.4 Using grouped frequency tables SP2.4 Displaying grouped data SP3.3 Working with stratified sampling techniques and defining a random sample GM6.6 Enlargement in two and three dimensions GM6.7 Constructing plans and elevations</p> <p>Intermediate</p> <p>N5.4 Applying percentage increases and decreases to amounts N5.5 Finding the percentage change from one amount to another N5.7 Repeated percentage increase/decrease GM2.5 Angles in triangles and quadrilaterals GM2.6 Types of quadrilateral GM1.8 Bearings SP2.3 Pie charts SP3.2 Designing questionnaires</p> <p>GM6.4 2-D representations of 3-D shapes GM6.7 Constructing plans and elevations</p> <p>Foundation</p> <p>N5.2 Calculate percentages of quantities with and without a calculator N5.3 Converting between fractions, decimals and percentages GM2.5 Angles in triangles and quadrilaterals GM2.6 Types of quadrilateral SP2.2 Vertical line charts GM6.2 Understanding nets</p>	<p>Higher</p> <p>A3.4 Plotting quadratic and cubic graphs N3.6 Significance N3.7 Limits of accuracy SP1.5 Inter-quartile range SP2.6 Using lines of best fit (Intermediate book) GM5.7 Similarity GM5.8 Trigonometry A4.2 Linear inequalities A1.11 Identities</p> <p>Intermediate</p> <p>(GM5.3 Translation) (GM5.4 Reflection) GM5.5 Rotation GM5.6 Enlargement N6.2 Sharing in a given ratio N6.3 Working with proportional quantities SP1.4 Using grouped frequency tables SP2.4 Displaying grouped data GM6.5 Prisms GM6.6 Enlargement in two and three dimensions A1.5 Setting up and solving simple equations A1.7 Working with more complex equations</p> <p>Foundation</p> <p>(GM5.3 Translation) (GM5.4 Reflection) GM5.5 Rotation N1.7 BIDMAS SP1.3 Using frequency tables GM4.2 Constructions with a ruler and protractor GM6.3 Volume and surface area of cuboids A3.1 Real-life graphs</p>
Year 10	Half term 4	Half term 5	Half term 6
	<p>Higher</p> <p>A3.3 The equation of a straight line A3.5 Finding equations of straight lines SP4.5 The multiplication rule</p>	<p>Higher</p> <p>GM5.9 Finding centres of rotation GM5.10 Enlargement with negative scale factors A2.4 Special sequences</p>	<p>Higher</p> <p>GM6.9 Area and volume in similar shapes GM5.11 Trigonometry and Pythagoras' theorem in 2D and 3D</p>

	<p>N5.6 Reverse percentages A5.1 Factorising quadratics A5.2 Solving equations by factorising A4.3 Solving pairs of equations by substitution</p> <p>Intermediate</p> <p>A3.2 Plotting graphs of linear functions A3.3 The equation of a straight line SP4.2 Single event probability SP4.3 Combined events SP4.4 Estimating probability A4.1 Trial and Improvement A4.2 Linear inequalities A1.8 Solving equations with brackets A1.9 Simplifying harder expressions</p> <p>Foundation</p> <p>N6.2 Sharing in a given ratio N4.3 Multiplying fractions N4.4 Adding and subtracting fractions SP4.2 Single event probability A1.5 Setting up and solving simple equations</p>	<p>A2.5 Quadratic sequences SP2.7 Histograms A4.4 Solving simultaneous equations by elimination A4.5 Using graphs to solve simultaneous equations SP4.6 The addition rule and Venn Diagram notation</p> <p>Intermediate</p> <p>GM1.9 Scale drawing GM4.3 Constructions with a pair of compasses A2.3 Linear sequences A2.4 Special sequences SP2.5 Scatter diagrams SP2.6 Using lines of best fit GM1.10 Compound units GM1.12 Working with compound units SP1.5 Interquartile range</p> <p>Foundation</p> <p>GM1.8 Bearings GM1.9 Scale drawing A2.3 Linear sequences SP3.2 Designing questionnaires A3.2 Plotting graphs of linear functions N6.3 Working with proportional quantities SP2.3 Pie charts</p>	<p>N7.7 Fractional indices GM2.9 Congruent triangles and proof GM2.10 Proof using similar and congruent triangles A1.13 Manipulating more expressions and equations A1.14 Rearranging more formulae</p> <p>Intermediate</p> <p>N3.5 Approximating N3.6 Significance N2.6 Understanding standard form GM2.7 Angles and parallel lines GM2.8 Angles in a polygon A1.10 Using complex formulae GM1.11 Dimensions of formulae</p> <p>Foundation</p> <p>N1.8 Multiplying Decimals N1.9 Dividing decimals N2.5 Using the number system effectively GM2.7 Angles and parallel lines GM6.4 2-D representations of 3-D shapes A1.6 Using brackets</p>
<b>Year 11</b>	<b>Half term 1</b>	<b>Half term 2</b>	<b>Half term 3</b>
	<p>Higher</p> <p>N6.5 Working with inversely proportional quantities A1.12 Using indices in algebra GM5.9 Finding centres of rotation GM5.10 Enlargement with negative scale factors A4.6 Solving linear inequalities in two variables GM3.6 Arcs and sectors GM3.7 The cosine rule GM3.8 The sine rule</p> <p>Intermediate</p> <p>N4.6 Dividing fractions N7.6 Rules of indices GM4.4 Loci GM3.5 Pythagoras' theorem A4.3 Solving pairs of equations by substitution A4.4 Solving simultaneous equations by elimination GM5.7 Similarity GM5.8 Trigonometry</p>	<p>Higher</p> <p>N6.6 Formulating equations to solve proportion problems N5.8 Growth and decay A5.3 Factorising harder quadratics A5.4 The quadratic formula GM2.11 Circle theorems A6.1 Using chords and tangents</p> <p>Intermediate</p> <p>N5.6 Reverse percentages N7.7 Fractional indices A2.5 Quadratic sequences A2.6 nth term of a quadratic sequence A5.1 Factorising quadratics GM2.9 Congruent triangles and proof GM2.10 Proof using similar and congruent triangles</p>	<p>Higher</p> <p>N2.8 Recurring decimals N3.8 Upper and lower bounds A3.6 Perpendicular lines A3.7 Polynomial and reciprocal functions N7.8 Surds A4.7 Proving identities</p> <p>Intermediate</p> <p>N3.7 Limits of accuracy N3.8 Upper and lower bounds A3.4 Plotting quadratic and cubic graphs A3.5 Finding equations of straight lines N2.6 Understanding standard form N2.7 Calculating with standard form</p>

	<p>Foundation</p> <p>(N4.3 Multiplying fractions)  N4.5 Working with mixed numbers  GM4.3 Constructions with a pair of compasses  GM5.6 Enlargement  SP4.3 Combined events  GM3.3 Circumference  GM3.4 Area of circles</p>	<p>Foundation</p> <p>N5.5 Finding the percentage change from one amount to another  A1.7 Working with more complex equations  A1.8 Solving equations with brackets  GM2.8 Angles in a polygon</p>	<p>Foundation</p> <p>N3.5 Approximating  N4.6 Dividing fractions  (SP1.3 Using frequency tables)  SP2.5 Scatter diagrams  N2.6 Understanding standard form  N7.4 Index notation</p>
<b>Year 11</b>	Half term 4		
	<p>Higher</p> <p>SP4.7 Conditional probability  A3.8 Exponential functions  A3.9 Trigonometrical functions  A6.2 Translations and reflections of functions  A6.3 Area under non-linear graphs</p> <p>Intermediate</p> <p>SP4.5 The multiplication rule  SP4.6 The addition rule and Venn Diagram notation  A3.6 Perpendicular lines  A4.5 Using graphs to solve simultaneous equations  GM2.11 Circle theorems  A5.2 Solving equations by factorising</p> <p>Foundation</p> <p>SP 4.4 Estimating probability  N7.5 Prime factorisation  GM1.10 Compound units  SP2.6 Using lines of best fit  (GM6.3 Volume and Surface area of cuboids)</p>		