Mathematics



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	(7 weeks)	(8 weeks)	(5 weeks)	(5 weeks)	(7 weeks)	(7weeks)
7	Algebraic Thinking	Place Value and	Applications of	Directed Number	Lines and Angles	Reasoning with
		Proportion	Number	and Fractional		Number
				Thinking		
KS3 ASSESSMENT	Sequences	Place value,	Solving problems	Operations and	Constructing,	Developing number
CRITERIA (includes		ordering integers	with addition and	equations with	measuring and	sense
low stakes testing	Understand and	and decimals	subtraction	directed number	using geometric	
at the end of each	use algebraic				notation	Sets and probability
unit)	notation	Fraction, decimal	Solving problems	Addition and		
		and percentage	with multiplication	subtraction of	Developing	Prime numbers and
	Equality and	equivalence	and division	fractions	geometric	proof
	equivalence				reasoning	
			Fractions and			
			percentages of			
			amounts			
Assessment Week	2, 4, 6	3, 6	3, 5	3, 5	3, 6	2, 4, 6
Vocabulary	Linear	Tenth	Sum	Positive	Geometric	Integer
	Non-linear,	Hundredth	Difference	Negative	Parallel	Venn diagram
	Difference	Decimal	Add	Numerator	Line segment	Union
	Ascending	Integer	Subtract	Denominator	Decagon	Intersection
	Descending	Numerator	Multiply	Mixed number	Polygon	Complement
	Geometric	Denominator	Divide	Two-step equations	Quadrilateral	Probability
	Simplify	Percent	Finance	Order of operations	Pie chart	Sample space
	Equal	Equivalent	Frequency tree	Roots	Proportion	Prime number
1						

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	(7 weeks)	(8 weeks)	(5 weeks)	(5 weeks)	(7 weeks)	(7weeks)
8	Proportional	Representations	Algebraic	Developing	Developing	Reasoning with
	Reasoning		techniques	Number	Geometry	Data
KS3 ASSESSMENT	Ratio and scale	Working in the	Brackets, equations	Fractions and	Angles in parallel	The handling data
CRITERIA (includes		Cartesian plane	and inequalities	percentages	lines and polygons	cycle
low stakes testing	Multiplicative					
at the end of each	change	Representing data	Sequences	Standard index	Area of trapezia	Measures of
unit)				form	and circles	location
	Multiplying and	Tables and	Indices			
	dividing fractions	probability		Number sense	Line symmetry and	
					reflection	
Assessment Week	2, 4, 6	2, 4, 6	4, 5	3, 5	3, 5	4, 6
Vocabulary	Compare	Co-ordinate	Expression	Multiplier	Parallel	Mean
	Gradient	Probability	Factorise	Percentage change	Transversal	Median
	Conversion	Parallel	Expand	Standard form	Alternate	Mode Frequency
	Currency	Scale	Binomial	Indices	Interior	Outlier
	Proportion	Linear	Inequality	Decimal places	Exterior	Questionnaire
	Similar	Scatter graph	Bracket	Error interval	Co-interior	Range
	Scale	Correlation	Identity	Capacity	Corresponding	Bar graph

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	(7 weeks)	(8 weeks)	(5 weeks)	(5 weeks)	(7 weeks)	(7weeks)
9	Reasoning with	Constructing in 2	Reasoning with	Reasoning with	Reasoning with	Representations
	Algebra	and 3 dimensions	Number	Geometry	Proportion	and Revision
KS3 ASSESSMENT	Straight line graphs	Three dimensional	Numbers	Deduction	Enlargement and	Probability
CRITERIA (includes		shapes			similarity	
low stakes testing	Forming and		Using percentages	Rotation and		Algebraic
at the end of each	solving equations	Constructions and		translation	Solving ratio and	representations
unit)		congruency	Maths and Money		proportion	
	Testing Conjectures			Pythagoras'	problems	Revision
				Theorem		
					Rates	
Assessment Week	2, 4, 6	3, 6	2, 4	2, 4	2, 4, 6	2, 3, 6
Vocabulary	Axis	Prism	Rational	Conjecture	Enlarge	Probability
	Parallel	Edge	Surd	Rotate	Scale factor	Relative frequency
	Gradient	Vertex	HCF	Symmetry	Similar	Tree diagram
	Intercept	Net	LCM	Reflect	Direct proportion	Independent event
	Inequality	Locus	Increase	Iranslate	Inverse proportion	Quadratic
	Solve	Bisect	Compound interest	vector	Speed	Simultaneous
	Rearrange	Perpendicular	Value Added Tax	Iransformation	Density	Inequality
	Intercept Inequality Solve Rearrange	Net Locus Bisect Perpendicular	LCM Increase Compound interest Value Added Tax	Reflect Translate Vector Transformation	Direct proportion Inverse proportion Speed Density	Independent event Quadratic Simultaneous Inequality

10 Foundation1 Number3 Graphs, Tables5 Equations, Inequalities and7 Averages and Range9 Graphs11 Ratio and Proportion2 Algebraand ChartsInequalities and A Fractions and PercentagesRange10 TransformationsProportionKS4 ASSESSMENT CRITERIA (includes low stakes testing at the end of each unit)Calculations PercentagesFrequency tables Representing dataSolving equations 1 Solving equations 2 Norig equations with Decimal numbersMean and range Representing dataCo-ordinates Using ratios 1 Representing dataWriting ratios Using ratios 1 Imme series Solving equations 2 Solving equations 2 Nore inequalitiesMean and range Mode, median and range Estimating the mean SmaphingCo-ordinates Using ratios 1 Representing dataWriting ratios Using ratios 1 Using ratios 1 Using ratios 1 Nore inequalitiesCo-ordinates Using ratios 1 Rectangles, parallelograms, and trianglesWriting ratios Using ratios 2 Using ratios 2 Using ratios 2Working with fractions Proportion and graphs Proportion and graph	Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
10 Foundation1 Number3 Graphs, Tables5 Equations, Inequalities and Nequences7 Averages and Range9 Graphs11 Ratio and ProportionKS4 ASSESSMENT CRITERIA (includes low stakes testing at the end of each unit)Calculations Decimal numbers Place valueFrequency tables Representing dataSolving equations 2 Solving equations 2 Node, median and range Mode, median and range Mode, median and range Mode, median and range Mode, median and range Tree series Estimating the mean Sapersenting dataCo-ordinates Linear graphs GradientUsing ratios 1 Using ratios 1 Ratios and measures Using ratios 2 Solving equations 2 Node, median and range Node, median and range Sapersenting data Time series Squares, cubes, and roots Pie chartsMean and range Node, median and range Node, median and range Node, median and range Sapersenting data Subiting equations 2 Sapersenting data Node inequalitiesMean and range Mode, median and range Mode, median and range Mode, median and range Mode, median and range Types of average Estimating the mean Sapersenting states Sapersenting data Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Formulae Expanding brackets Fractions and percentages fractions and percentages fractions and decimals fractions and decimals fractions and percentages fractions and decimals fractions and percentages of shapes fractions and decimals fractions and decimals fractions and decimals fractions and decimals fractions and decimals fractions an		(7 weeks)	(8 weeks)	(5 weeks)	(5 weeks)	(7 weeks)	(7weeks)
2 Algebraand ChartsInequalities andRange10 TransformationsProportion4 Fractions and Percentages5 equences8 Perimeter, area and volume 112 Right-Angled TrianglesKS4 ASSESSMENT CRITERIA (includes low stakes testing at the end of each unit)CalculationsFrequency tables Representing dataSolving equations 1 bracketsMean and range Solving equations 2Co-ordinates Linear darangeWriting ratiosSquares, cubes, and roots unit)Frequency tablesSolving equations 1 time seriesMean and range bracketsCo-ordinates Linear darangeWriting ratiosNode, median and range place valueFrequency tablesSolving equations 2 time seriesMode, median and range bracketsCo-ordinates Linear darangeWriting ratiosSquares, cubes, and roots unit)Time seriesStem and leaf diagrams Pie chartsIntroducing inequalities More inequalitiesSmectages and trianglesReal Life Graphs Trapezia and changing unitsReal Life GraphsComparing using ratiosSubstitution Porportion problems Popartion subt fractions SubstitutionUsing the rations Propertion shapesNore real-life graphs Angles in trianglesNore real-life graphs Proportion and graphs Proportion problems Proportion problems Proportion problems Propertion shapes Fractions and percentagesNore exterior and interior anglesNore volume and surface areaNore volume and surface areaNore volume and surface areaNore volume and surface areaLine of prisms SubstitutionMultiply	10 Foundation	1 Number	3 Graphs, Tables	5 Equations,	7 Averages and	9 Graphs	11 Ratio and
KS4 ASSESSMENT CRITERIA (includes low stakes testing at the end of each unit)Calculations Decimal numbers Factors and multiplesFrequency tables Two-way tables Stem and leaf diagrams Pice hartsSolving equations 1 Solving equations 1Mean and range Mode, median and rangeCo-ordinates Linear graphsWriting ratios Using ratios 1KS4 ASSESSMENT CRITERIA (includes low stakes testing at the end of each unit)Calculations Piace value Factors and multiplesFrequency tables Representing data Stem and leaf diagrams Pice tastsSolving equations 2 bracketsMode, median and range Mode, median and rangeCo-ordinates Linear graphsWriting ratios Using ratios 1 Ratios and measuresunit)Squares, cubes, and roots Index notation Prime factors Algebraic expressions Substitution FormulaeSolving equations 2 the of best fit Using fractionsMore inequalities Using fractions Operations with fractions Using the fractions Properties of shapes Angles in parallel lines Angles in parallel linesMore real and triangles Trapezia and changing unitsReal Life Graphs Distance -time graphs Using proportion and graphs Proportion and graphs Proportion problems Propertion solution Propertion solution Propertion solution Propertion solution Propertios of shapes Fractions and percentages 1Generating sequences Angles in triangles Angles in trianglesTrapezia and changing Using the runitsTranslation Propertion Pythagoras' Theorem 1 Pythagoras' Theorem 2 Triangent ratio Pythagoras' Theorem 2 Triangent ratio Propertio radio finderior and anglesSolving equations 1 Solving equations 1<		2 Algebra	and Charts	Inequalities and	Range	10 Transformations	Proportion
KS4 ASSESSMENT CRITERIA (includes low stakes testing at the end of each unit)Calculations Decimal numbersFrequency tables Two-way tablesSolving equations 1 Solving equations 2Mean and range Mode, median and rangeCo-ordinates Linear graphsWriting ratiosIow stakes testing at the end of each unit)Factors and multiplesRepresenting data Stem and leaf diagramsSolving equations with bricketsTypes of average BracketsY = mx + c WateUsing ratios 1 Using ratios 2Note inequalities unit)Squares, cubes, and roots Ner net factorsStem and leaf diagrams Pie chartsIntroducing inequalities Generating sequencesSampling Using formulaeReal Life Graphs More inequalitiesComparing using ratios 2Substitution FormulaeOperations with fractions Price factorsUsing formulaeand triangles Generating sequencesTrapezia and changing unitsNore real-life graphs ReflectionProportion problems Prioportion problemsSubstitution FormulaeOperations wth fractions Properties of shapes Angles in praallel lines Angles in trianglesArea of compound shapes Area of compound shapes Area of s0 solidsEnlargement EnlargementTrigonometry – Sine ratio Cosine ratioUsing expressions and formulaeFractions and percentages 1 fractions and percentages 1 anglesNore exterior angles More exterior and interior anglesMore volume and surface areaDescribe enlargements Gonie ransformationsCosine ratio Finding lengths and anglesUsing expressions and formulaeFractions and percentages 1<			4 Fractions and	Sequences	8 Perimeter, area		12 Right-Angled
KS4 ASSESSMENT CRITERIA (includes low stakes testing at the end of each unit)CalculationsFrequency tables Two-way tablesSolving equations 1Mean and range Mode, median and rangeCo-ordinatesWriting ratiosIow stakes testing at the end of each unit)Factors and multiplesTime seriesSolving equations with bracketsTypes of average bracketsGradient GradientRatios and measuresIndex notation Prime factorsStem and leaf diagrams Pie chartsIntroducing inequalities Generating sequencesSampling Rectangles, parallelograms, and trianglesReal Life GraphsComparing using ratiosSimplifying expressions SubstitutionCoperations with fractions Operations with fractionsVorking with fractionsUsing formulae Generating sequencesTrapezia and changing unitsNote real-life graphsUsing proportion Pythagoras' Theorem 1 Priges of shapesKeat corring SubstitutionOperations with fractions Progentions and percentagesProperties of shapes Angles in parallel linesArea of compound shapes Surface area of 3D solidsRotationPythagoras' Theorem 2 Trajesian and tranglesKeat or sing propersions and formulaeFractions and percentages Fractions and percentagesAngles in triangles More exterior anglesMore volume and surface areaCombine transformationsTrigonometry – Sine ratio Trigonometry – Sine ratioKuring returned SubstitutionDividing fractions Fractions and percentagesAngles in triangles Angles in trianglesMore volume and surface areaCombine transformations area			Percentages	6 Angles	and volume 1		Triangles
CRITERIA (includes low stakes testing at the end of each unit)Decimal numbers place valueTwo-way tables Representing dataSolving equations 2Mode, median and range Types of averageLinear graphsUsing ratios 1state end of each unit)Factors and multiplesFactors and multiplesTime seriesSolving equations 2FactorsGradientRatios and measuresstate end of each unit)Factors and multiplesStem and leaf diagramsIntroducing inequalitiesSamplingReal Life GraphsComparing using ratios 2None inequalitiesNore inequalitiesRectangles, parallelograms, and trianglesDistance -time graphsUsing proportionPrime factorsScatter graphsUsing formulaeand trianglesMore real-life graphsProportion and graphsSubstitutionOperations with fractionsUsing the nth term.unitsReflectionPythagoras' Theorem 1SubstitutionOperations and decimalsAngles in trianglesVolume of prismsRotationPythagoras' Theorem 2FormulaeMultiplying fractionsAngles in trianglesVolume of prismsEnlargementCosine ratioUsing expressions and formulaeFractions and percentages 1Interior and exterior and interior anglesMore volume and surface areaCombine transformationsTangent ratioFactorisingFractions and percentages 1Interior and exterior and interior anglesMore volume and surface areaCombine transformationsTangent ratioFinding lengths and anglesFinding percentage	KS4 ASSESSMENT	Calculations	Frequency tables	Solving equations 1	Mean and range	Co-ordinates	Writing ratios
Iow stakes testing at the end of each unit)Factors and multiplesTime series seriesbracketsEstimating the mean scatter graphsY = mx + cUsing ratios 2unit)Squares, cubes, and roots index notation Prime factorsStem and leaf diagrams Pie chartsIntroducing inequalities Generating sequencesSamplingRectangles, parallelograms, and trianglesReal Life GraphsComparing using ratiosAlgebraic expressions Simplifying expressions Substitution FormulaeUsing of the term. Operations wth fractions Dividing fractionsUsing the nth term. Operations wth fractions Angles in prallel linesUsing company and trianglesTranslation Nore real-life graphsProportion and graphs Proportion and graphsKore real-life FormulaeMultiplying fractions FormulaeOperations wth fractions Dividing fractionsProperties of shapes Angles in prallel linesArea of compound shapes Surface area of 3D solidsRotation Pythagoras' Theorem 2 PrimesFactorsing formulaeFractions and decimals fractions and percentagesInterior and exterior angles anglesMore volume and surface areaMore volume and surface areaCombine transformationsTangent ratio Finding lengths and angles	CRITERIA (includes	Place value	Representing data	Solving equations 2 Solving equations with	Types of average	Linear graphs Gradient	Using ratios 1 Ratios and measures
at the end of each unit)Squares, cubes, and roots index notationStem and leaf diagramsIntroducing inequalitiesSamplingReal Life GraphsComparing using ratiosunit)Index notationPie chartsMore inequalitiesRectangles, parallelograms, and trianglesDistance -time graphsUsing proportionPrime factorsScatter graphsUsing formulaeand trianglesMore real-life graphsProportion and graphsAlgebraic expressionsLine of best fitGenerating sequencesTrapezia and changingTranslationProportion problemsSubstitutionOperations wth fractionsUsing the nth term.unitsReflectionPythagoras' Theorem 1SubstitutionOperations wth fractionsProperties of shapesArea of compound shapesRotationPythagoras' Theorem 2FormulaeMultiplying fractionsAngles in parallel linesSurface area of 3D solidsEnlargementTrigonometry - Sine ratioUsing expressions andFractions and percentagesInterior and exterior anglesMore volume and surfaceCombine transformationsTangent ratioUsing expressions andFractions and percentages formulaeMore exterior and interioranglesMore volume and surfaceCombine transformationsFinding lengths and anglesUsing expressions andCalculating percentages formulaeCole to the termanglesCombine transformationsFinding lengths and anglesUsing expressions andFractions and percentages formulaeCole to the termanglesCole to the termFinding le	low stakes testing	Factors and multiples	Time series	brackets	Estimating the mean	Y = mx + c	Using ratios 2
unit)Price chartsMore inequalitiesRectangles, parallelograms, and trianglesDistance –time graphsUsing proportionPrime factorsScatter graphsUsing formulaeand trianglesMore real-life graphsProportion and graphsAlgebraic expressionsLine of best fitGenerating sequencesTrapezia and changingTranslationProportion problemsSimplifying expressionsWorking with fractionsUsing the nth term.unitsReflectionPythagoras' Theorem 1SubstitutionOperations wth fractionsProperties of shapesArea of compound shapesRotationPythagoras' Theorem 2FormulaeMultiplying fractionsAngles in parallel linesSurface area of 3D solidsEnlargementTrigonometry – Sine ratioExpanding bracketsDividing fractionsAngles in trianglesVolume of prismsDescribe enlargementsCosine ratioFactorisingFractions and percentagesMore exterior and interiorareaCombine transformationsTangent ratioUsing expressions andFractions and percentages 1anglesanglesAreaCombine transformationsFinding lengths and angles	at the end of each	Squares, cubes, and roots	Stem and leaf diagrams	Introducing inequalities	Sampling	Real Life Graphs	Comparing using ratios
Algebraic expressionsLine of best fitGenerating sequencesTrapezia and changingTranslationProportion problemsSimplifying expressionsWorking with fractionsOperations wth fractionsUsing the nth term.unitsReflectionPythagoras' Theorem 1SubstitutionOperations wth fractionsProperties of shapesArea of compound shapesRotationPythagoras' Theorem 2FormulaeMultiplying fractionsAngles in parallel linesSurface area of 3D solidsEnlargementTrigonometry – Sine ratioExpanding bracketsDividing fractionsAngles in trianglesVolume of prismsDescribe enlargementsCosine ratioFactorisingFractions and percentagesInterior and exterior anglesMore exterior and interiorareaCombine transformationsTangent ratioUsing expressions andFractions and percentagesanglesanglesthe term of the termareathe term of termsthe term of terms	unit)	Prime factors	Scatter graphs	Using formulae	and triangles	Distance –time graphs More real-life graphs	Using proportion Proportion and graphs
Simplifying expressionsWorking with fractionsUsing the nth term.unitsReflectionPythagoras' Theorem 1SubstitutionOperations wth fractionsProperties of shapesArea of compound shapesRotationPythagoras' Theorem 2FormulaeMultiplying fractionsAngles in parallel linesSurface area of 3D solidsEnlargementTrigonometry – Sine ratioExpanding bracketsDividing fractionsAngles in trianglesVolume of prismsDescribe enlargementsCosine ratioFactorisingFractions and decimalsInterior and exterior anglesMore volume and surface areaCombine transformationsTangent ratioUsing expressions and formulaeCalculating percentages 1anglesanglesareaAreaArea		Algebraic expressions	Line of best fit	Generating sequences	Trapezia and changing	Translation	Proportion problems
SubstitutionOperations with ractionsProperties of shapesArea of compound shapesRotationPythagoras medrem 2FormulaeMultiplying fractionsAngles in parallel linesSurface area of 3D solidsEnlargementTrigonometry – Sine ratioExpanding bracketsDividing fractionsAngles in trianglesVolume of prismsDescribe enlargementsCosine ratioFactorisingFractions and decimalsInterior and exterior anglesMore exterior and interiorareaCombine transformationsTangent ratioUsing expressions andCalculating percentages 1anglesanglesControl to the back to the backFractions and percentages 1Control to the back		Simplifying expressions	Working with fractions	Using the nth term.	units	Reflection	Pythagoras' Theorem 1
Expanding brackets Factorising Using expressions and formulaeDividing fractions Fractions and decimals Fractions and decimals Fractions and percentages 1Angles in triangles Interior and exterior angles anglesVolume of prisms More volume and surface areaDescribe enlargements Combine transformationsCosine ratio Tangent ratio Finding lengths and angles		Formulae	Multiplying fractions	Angles in parallel lines	Surface area of 3D solids	Enlargement	Trigonometry – Sine ratio
Factorising Using expressions and formulaeFractions and decimals Practions and percentages Calculating percentages 1Interior and exterior angles More exterior and interior anglesMore volume and surface areaCombine transformations FractionsTangent ratio Finding lengths and angles		Expanding brackets	Dividing fractions	Angles in triangles	Volume of prisms	Describe enlargements	Cosine ratio
formulae Calculating percentages 1 angles		Factorising	Fractions and decimals	Interior and exterior angles	More volume and surface	Combine transformations	Tangent ratio
		formulae	Calculating percentages 1	angles	died		Finding lengths and angles
Calculating percentages 2 Geometrical problems			Calculating percentages 2	Geometrical problems			
Assessment Week 17 18 35 35 37 36	Assessment Week	17	18	3 5	3 5	3 7	3.6
Vocabulary Hundredth Erequency Solve Mean Gradient Hypotenuse	Vocabulary	Hundredth	Frequency	Solve	J, J Mean	S, 7 Gradient	J, U Hypotenuse
Cube Median Expand Median Intercent Square	vocabalary	Cube	Median	Evnand	Median	Intercent	Square
Root Bange Less than Mode Speed Square root		Root	Range	Loss than	Mode	Sneed	Square root
Indices Correlation Term Range Range Reflection Trigonometry		Indices	Correlation	Torm	Pango	Peflection	Trigonometry
Substitute Reciprocal Nth term Sigma Retation Sine		Substituto	Reciprocal	Nth torm	Sigma	Potation	Sino
Expand Divisor Interior Parallelogram Enlargement Cosine		Expand	Divisor	Interior	Darallelogram	Enlargement	Cosine
Expand Divisor Interior Prianelogram Emargement Cosine		Expand	Multiplion	Extorior	Dricm	Translation	Tangant
		Factorise	multiplier	Exterior	PHSIII		Taligent

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	(7 weeks)	(8 weeks)	(5 weeks)	(5 weeks)	(7 weeks)	(7weeks)
11 Foundation	13 Probability 14 Multiplicative Reasoning	15 Constructions, loci and bearings 16 Quadratic Equations and Graphs	17 Perimeter, Area and Volume 2 18 Fractions, Indices and Standard Form	19 Congruence, similarity and vectors 20 More Algebra	Revision	
KS3 ASSESSMENT CRITERIA (includes low stakes testing at the end of each unit)	Calculating probability Two events Experimental probability Venn diagrams Tree diagrams Percentages Growth and decay Compound Measures Distance, speed and time Direct and inverse proportion	3D solids Plans and elevations Accurate drawing 1 Scales and maps Accurate drawing 2 Constructions Loci and regions Bearings Expanding double brackets Plotting quadratic graphs Using quadratic graphs Factoring quadratic expressions Solving quadratic equations algebraically	Circumference of a circle Area of a circle Semicircles and sectors Composite 2D shapes and cylinders Pyramids and cones Spheres and composite solids Multiplying and dividing fractions The laws of indices Writing large numbers in standard form Writing small numbers in standard form Calculating with standard form	Similarity and enlargement More similarity Using similarity Congruence 1 Congruence 2 Vectors 1 Vectors 1 Graphs of cubic and reciprocal functions Non-linear graphs Solving simultaneous equations graphically Solving simultaneous equations algebraically Rearranging formula Proof		
Assessment Week	3, 6	4, 7	3, 5	3, 5		
Vocabulary	Probability Venn diagram Union Intersection Tree diagram Speed Density	Prism Elevation Plan Net Locus Bisect Perpendicular	Circumference Radius Area Diameter Cone Standard form Indices	Enlarge Scale factor Similar Solve Coefficient Cubic Reciprocal		

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	(7 weeks)	(8 weeks)	(5 weeks)	(5 weeks)	(7 weeks)	(7weeks)
10 Higher KS4 ASSESSMENT CRITERIA (includes low stakes testing at the end of each unit)	(/ WEEKS) 1 Number 2 Algebra Number problems and reasoning Place value and estimating HCF and LCM Calculating with powers (indices) Zero, fractional and negative powers Powers of 10 and standard form Surds Algebraic indices Expanding and factorising Equations Formulae Linear sequence Non-linear sequences More expanding and factorising	(8 weeks) 3 Interpreting and Representing Data 4 Fractions, Ratios and Percentages Statistical diagrams 1 Time series Scatter graphs Line of best fit Averages and range Statistical diagrams 2 Fractions Ratios Ratios Ratio and proportion Percentages Fractions, decimals and percentages	(5 weeks) 5 Angles and Trigonometry 6 Graphs Angle properties of triangles and quadrilaterals Interior angles of a polygon Exterior angles of a polygon Pythagoras' theorem 1 Pythagoras' theorem 2 Trigonometry 1 Trigonometry 2 Linear graphs More linear graphs Graphing rates of change Real-life graphs Line segments Quadratic graphs Cubic and reciprocal graphs More graphs	(5 weeks) 7 Area and Volume 8 Transformations and Constructions Perimeter and area Units and accuracy Prisms Circles Sectors of circles Cylinders and spheres Pyramids and cones 3d Solids Reflection and rotation Enlargement Transformations and combinations of different transformations Scale drawing and bearings Constructions 1 Constructions 2 Loci	(7 Weeks) 9 Equations and Inequalities 10 Probability Solving linear inequalities Solving quadratic equations 1 Solving quadratic equations 2 Completing the square Solving simple simultaneous equations More simultaneous equations Combined events Mutually exclusive events Experimental probability Independent events and tree diagrams Conditional probability Venn diagrams and set notation	(7weeks) 11 Multiplicative Reasoning 12 Similarity and Congruence Growth and decay Compound measures More compound measures Ratio and proportion Geometric proof and congruence Similarity More similarity Similarity in 3d solids
Assessment Week	4, 7	4, 8	3, 5	3, 5	3, 7	3, 6
Vocabulary	Hundredth Cube Root Indices Expand Factorise Quadratic Fibonacci	Frequency Median Mode Range Correlation Reciprocal Divisor Multiplier	Interior Exterior Polygon Hypotenuse Sine Cosine Tangent Cubic	Sector Sphere Cone Reflection Rotation Enlargement Translation Bisector	Solve Inequality Quadratic Simultaneous equations Coefficient Probability Mutually exclusive	Speed Distance Time Density Mass Volume Proof Similar

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	(7 weeks)	(8 weeks)	(5 weeks)	(5 weeks)	(7 weeks)	(7weeks)
11 Higher	13 More	15 Equations and	17 More Algebra	19 Proportion and	Revision	
	Trigonometry	Graphs	18 Vectors and	Graphs		
	14 Further	16 Circle Theorems	Geometry			
	Statistics					
KS3 ASSESSMENT	Accuracy	Solving simultaneous	Rearranging formulae	Direct proportion		
CRITERIA (includes	Graph of the cosine	Representing inequalities	Simplify algebraic fractions	Inverse proportion		
low stakes testing	function	graphically	More algebraic fractions	Exponential functions		
at the end of each	Graph of the tangent	Quadratic equations	Proof	Non-linear graphs		
unit)	function Calculating the areas and	Using quadratic graphs Cubic equations	Surds Solving algebraic fraction	I ranslating graphs of functions		
	the sine rule	Using iterations to solve	equations	Reflecting graphs of		
	The cosine rule and 2d	equations	Vectors and vector	functions		
	trigonometry problems Solving problems in 3d	Radii and chords	Notation Vector arithmetic			
	Transforming trigonometric	Angles in circles	More vector arithmetic			
	graphs 1	Applying circle theorems	Parallel vectors and			
	Transforming trigonometric aranhs 2		collinear points Solving geometric			
	Sampling		problems			
	Cumulative frequency					
	Box plots Drawing histograms					
	Interpreting histograms					
	Comparing and describing					
Accorement West	distributions	4 7	2 5	2		
Assessment week	S, U	4, /	5, 5 Decements	5 Dronortion		
vocabulary	Casina	Co. and instan	Kearrange			
	Cosine	Co-ordinates	Subject	inverse proportion		
	Cumulative	Quadratic	Numerator	AXIS		
	frequency	Cubic	Denominator	Exponential		
	Population	Iteration	Surd	Function		
	Quartile	Tangent	Vector	Transformation		
	Median	Radius	Parallel	Translation		
	Histogram	Segment	Proof	Reflection		