

Year 7

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Transition: E-Act Lessons		Number Application: Negatives						Proportions in Play				
Transition lessons: Baseline testing Expectations		Number: Factors, Multiples and Primes	Number HCF and LCM	Number: Decimals and fractions	Algebra: Function machines	Algebra: Expressions	Algebra: Formulae, Identities and Expressions	Number Multiply/Divide fractions	Ratio: Formal Division methods to manipulate proportions	Ratio: Using correct notation to find parts	Ratio: Dividing amount into ratios	Ratio: Using ratio to convert, simplify and apply to scales and units Assessment
Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26
Proportions in Play		Shape and Space Awareness.						Number Explorations				
Proportions: Compare parts with a whole (FDP)	Proportions: Direct and Indirect proportion problems	Number Mixed and improper fractions	Number FDP	Number Percentages	Geometry 3D Shapes	Geometry Area of shapes	Geometry Area and volume	Negative Number Operations	Number: Manipulations	Algebra: Linear expressions and equations	Algebra: Equations from geometry Assessment	Maths Week
Week 27	Week 28	Week 29	Week 30	Week 31	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38	Week 39
Motor Skills						Algebraic Exploration						
Geometry Angles: Identify, drawing and manipulating	Geometry: Symmetry and angles	Geometry: Angles and triangles	Statistics: Charts and Graphs	Statistics: Charts	Statistics: Misleading Graphs	Algebra: Pattern Spotting to generalise a sequence	Algebra: Justify statements from patterns Scattergraphs	Algebra: Term to term rules	Algebra: Straight line graphs	Algebra: Straight Line Graphs Assessment	Financial Resilience Week	Strategy Week

Year 8:

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Number Application: Probability								Proportions in play				
Probability scale and probability from visual representations	FDP uses in probability	Probability facts (probability of sums, experimental and theoretical probability)	Representing probability using data	Probability Tree diagrams	Mastery revision and end of topic assessment			Compound measures.	Conversion of measure	Currency conversion graphs	Best Buys	Proportions as fractions Assessment
Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26
Proportions in play		Algebraic Manipulation						Number Explorations to the real world				
Percentage Change	Enlargement and scale factors	Substitution and formula manipulation	Form and solve expressions from geometry	Form and solve expressions from geometry	Expanding brackets using geometric facts	Volume, Mass Density formula	Translations	Number: Fractions decimals	Number: Percentages	Conversion of FDP and time	Reflections Assessment	Maths Week
Week 27	Week 28	Week 29	Week 30	Week 31	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38	Week 39
Proportions in Play Motor Skills						Algebraic Exploration						
Angle Facts: Polygons	Angle Facts: Parallel Lines	Statistics: Charts and Graphs	Statistics: Charts and Graphs	Statistics: Data Manipulation	Loci	Straight line graphs	Straight line graphs	Line graphs	Rate of change graphs	Rotations using graphs Assessment	Financial Resilience Week	Strategies Week

Year 9:

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Number Application: Geometry								Proportions in Play				
FDP of amounts recap with shape	Perimeter of shapes linking FDP	Angle facts recap	Angles in Polygons	Algebra: Finding unknown values	Circumference of circles	Right angle triangles - Pythagoras	Right angle triangles – Pythagoras/ Trigonometry	Proportion graphs	Similar shapes	Conversion graphs	Percentage Change	Compound Measures Assessment
Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26
Proportions in Play		Algebraic Manipulation						Number Explorations: Data in the real world				
Congruency	Similarity	Solving equations	Expanding Brackets	Factorisation	Algebraic fractions	Algebraic Fractions	Combination of Transformations	Number: Standard form	Number: Inequalities	Sequences	Error intervals and bounds Assessment	Maths Week
Week 27	Week 28	Week 29	Week 30	Week 31	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38	Week 39
Motor Skills 3D shapes						Graphical Exploration						
Properties of 3D shapes	Plans, Nets and Scale Drawing	Area of circle	Surface Area	Volume of 3D shapes	Rearranging the formula	Linear and Quadratic Graphs	Linear and Quadratic Graphs	Rate of change graphs	Graphical representations	Transformations using graphs Assessment	Financial Resilience Week	Strategy Week

	Year 10 – Year Plan	Hours of teaching
AUTUMN TERM 1		
AU1	Fractions (operations)	5
Week 1	Mixed numbers	
	Estimation	
AU1	Product of Prime Factors	5
Week 2	HCF and LCM	
	Indices – square /cube, fractional, negative.	
AU1	Percentages & decimals	10
Week 3 and 4	Increase and decrease using the multiplier	
	Percentage change (profit & loss)	
	Simple and Compound interest / depreciation	
	Finding the original value	
	Percentages	
	Recurring decimals	
AU1	Standard Index Form	5
Week 5	Direct and inverse proportion	
AU1	Factorising and simplifying equations	5
Week 6	Forming and solving linear equations	
	Solving Equations involving fractions and unknowns on both sides.	
	Expanding single, double and triple brackets (Proofs)	
AU1	Factorising quadratics with 'a'=1 and 'a' more than 1	10
Week 7 and 8	Factorising the difference of two squares.	
	Algebraic fractions	
	Completing the square	
	Quadratic formula for solving equations	
	Quadratic graphs and interpreting them (finding the roots and turning points)	
AUTUMN TERM 2		
AU2	Straight line graphs	5
Week 1	Finding the gradient and Y intercept of linear equations	
	Forming equations by finding the gradient for a given two points	
	Parallel and perpendicular lines	
	Drawing real life graphs and finding the gradient and Y intercept (and interpreting them)	
	Drawing and interpreting distance time graphs and velocity time graphs (and explaining what gradient represents)	
AU2	Linear sequences – generating terms of sequences and finding the nth term (and relating to straight line graphs)	5
Week 2	Quadratic sequences – finding the nth term and using the nth term to generate the sequences	
AU2	Linear and quadratic simultaneous equations	10

Week 3 and 4	Linear inequalities (solving and representing on a number line / shading to find critical regions) and quadratic inequalities. (solving and finding critical values.)	
AU2 Week 5 and 6	Area, volume and perimeter of <i>shapes (including; rectangles, triangles, compound shapes, trapezium, parallelogram, circles. (arc & area of sector, surface area of prisms) spheres, cones and pyramids and Frustums</i>	10
Synoptic revision/catch-up/enrichment and test		
<u>Spring 1</u>		
SP1 Week 1 and 2	Pythagoras theorem & introduction to trigonometry Advanced trigonometry (sine, cosine rules; exact values)	10
SP1 Week 3	Angle rules and bearings and constructions	5
SP1 Week 4	Congruent & similar shapes and scale factors	5
SP1 Week 5 and 6	Changing the subject of a formula and Surds	10
<u>Spring 2</u>		
SP2 Week 1	Compound measures, Rate of Change	5
SP2 Week 2	Bounds and iteration	5
SP2 Week 3 and 4	Functions, transformations of graphs and graph sketching (<i>using turning points and roots</i>)	10
Synoptic revision/catch-up/enrichment and test		
<u>Summer 1</u>		
SU1 Week 1 and 2	Trapezium rule (3 hours) and vectors (7 hours)	10
SU1 Week 3, 4 and 5 part 1	Handling data. (<i>including; averages, estimated mean from grouped data, cumulative frequency curves, box plots, stem & leaf, scatter graphs, frequency polygons, histograms, pie charts, and sampling</i>)	12
SU1 Week 5 part 2 and 6	<i>Probability and set problems (including Venn diagrams)</i>	8
<u>Summer 2</u>		

SU2 Week 1 and 2	Transformations, enlargement and <i>symmetry (line and rotational)</i>	10
SU2 Week 3	Circle theorems and geometry	5
Remainder – Ratios, synoptic exam style questions/catch-up/enrichment and test		

	Graphs of trig. Functions – to be taught in year 11	
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