

YEAR 10 Foundation: 2018-19

Term	Week	YEAR 10: 2017-18	Topic break-down (sub-topics)
Autumn 1	1	Basic Number	1.1 Place value and ordering numbers 1.3 The four rules 1.2 Order of operations and BIDMAS
	2	Baseline testing	
	3	Measures and scale drawings	2.1 Systems of measurement 2.2 Conversion factors 2.3 Scale drawings 2.4 Nets 2.5 Using an isometric grid
	4	Charts, tables and averages	3.1 Frequency tables 3.2 Statistical diagrams
	5	Charts, tables and averages	3.3 Line graphs 3.4 Statistical averages
	6	ASSESSMENT WEEK	
	7	RE-TEACH	
Half term - two weeks			
Autumn 2	1	Angles	4.1 Angles facts 4.2 Triangles 4.3 Angles in a polygon 4.4 Regular polygons
	2	Angles	4.5 Angles in parallel lines 4.6 Special quadrilaterals 4.7 Bearings
	3	Number properties	5.1 Multiples of whole numbers 5.2 Factors of whole numbers 5.3 Prime numbers 5.4 Prime factors, LCM and HCF
	4	Number properties	5.5 Square numbers 5.6 Square roots 5.7 Basic calculations on a calculator
	5	Approximations	6.1 Rounding whole numbers 6.2 Rounding decimals 6.3 Approximating calculations
	6	ASSESSMENT WEEK	
	7	RE-TEACH	

End of term - two weeks			
Spring 1	1	Decimals and fractions	7.1 Calculating with decimals 7.2 Fractions and reciprocals 7.3 Writing one quantity as a fraction of another
	2	Decimals and fractions	7.4 Adding and subtracting fractions 7.5 Multiplying and dividing fractions 7.6 Fractions on a calculator
	3	Linear graphs	8.1 Graphs and equations 8.2 Drawing linear graphs by finding points 8.3 Gradient of a line
	4	Linear graphs	8.4 $y = mx + c$ 8.5 Finding the equation of a line from its graph 8.6 The equation of a parallel line
	5	ASSESSMENT WEEK	
	6	RE-TEACH	
Half term - one week			
Spring 2	1	Expressions and formulae	9.1 Basic algebra 9.2 Substitution 9.3 Expanding brackets 9.4 Factorisation
	2	Expressions and formulae	9.5 Quadratic expansion 9.6 Quadratic factorisation 9.7 Changing the subject of a formula
	3	Ratio, speed and proportion	10.1 Ratio 10.2 Speed, distance and time
	4	Ratio, speed and proportion	10.3 Direct proportion problems 10.4 Best buys
	5	Perimeter and area	11.1 Rectangles 11.2 Compound shapes

End of term - two weeks			
Summer 1	1	Perimeter and area	11.3 Area of a triangle 11.4 Area of a parallelogram
	2	Perimeter and area	11.5 Area of a trapezium 11.6 Circles 11.7 The area of a circle 11.8 Answers in terms of π
	3	Transformations	12.1 Rotational symmetry 12.2 Translation 12.3 Reflections 12.4 Rotations
	4	Transformations	12.5 Enlargements 12.6 Using more than one transformation 12.7 Vectors
	5	ASSESSMENT WEEK	
	6	RE-TEACH	
Half term - one week			
Summer 2	1	Probability and events	13.1 Calculating probabilities 13.2 Probability that an outcome will not happen 13.3 Mutually exclusive and exhaustive outcomes
	2	Probability and events	13.4 Experimental probability 13.5 Expectation 13.6 Choices and outcomes
	3	Volumes and surface areas of prisms	14.1 3D shapes 14.2 Volume and surface area of a cuboid Summer examinations and revision 14.3 Volume and surface area of a prism 14.4 Volume and surface area of cylinders
	4	Linear equations	15.1 Solving linear equations 15.2 Solving equations with brackets
	5	Linear equations	15.3 Solving equations with the variable on both sides
	6	ASSESSMENT WEEK	
	7	RE-TEACH	