

Year 7 Scheme of Work

Unit	Title	Topics	Number of lessons
Autumn Term		▪	
1	Calculation Problems	<ul style="list-style-type: none"> ▪ BIDMAS ▪ 4 operations ▪ Indices ▪ Powers and roots 	4
2	Body Parts	<ul style="list-style-type: none"> ▪ Proportion ▪ Ratio ▪ Graphs of proportion ▪ Direct proportionality 	6
3	The problem with Angles	<ul style="list-style-type: none"> ▪ Types of triangle ▪ Constructions ▪ Angles on straight line ▪ Angles in polygon 	6
4	Design a game board	<ul style="list-style-type: none"> ▪ Theoretical probability ▪ Experimental probability 	5
	Assessment	▪	1
5	Area & Algebra	<ul style="list-style-type: none"> ▪ Simplifying algebra ▪ Expanding brackets ▪ Factorising ▪ Solving equations 	11
6	The Specials	<ul style="list-style-type: none"> ▪ Primes, multiples and factors ▪ Prime factor decomposition 	4
7	Holiday	<ul style="list-style-type: none"> ▪ 4 operations with decimals ▪ Conversion Graphs ▪ time 	6
	Assessment and Revision	▪	3
Spring Term		▪	
8	How Big	<ul style="list-style-type: none"> ▪ Rounding ▪ Roots ▪ Powers 	6
9	Chocolate Box	<ul style="list-style-type: none"> ▪ Isometric drawing ▪ Volume 	6

		▪ Surface Area	
10	Pyramid Equations	▪ Equations ▪ Inequalities	5
11	Easter Bunnies	▪ Problem solving	3
	Assessment	▪	1
12	Bits and Pieces	▪ Fractions ▪ Percentages ▪ Conversion between f,d,p	7
13	Olympics	▪ Collect data ▪ Present data ▪ Interpret Data	4
14	Helicopter Rescue	▪ Drawing angles ▪ Bearings ▪ Loci	6
15	Hundred Grid	▪ Using letters to represent numbers ▪ Investigation	6
	Assessment and Revision	▪	3
Summer Term		▪	
16	Tiling Patterns	▪ Enlargement ▪ Properties of Quadrilaterals	5
17	Constructions	▪ Construct triangles ▪ Bisectors	6
18	Mobile Phones	▪ Collect Data ▪ Present Data ▪ Interpret Data	6
19	Power of Equivalence	▪ Roots ▪ Powers ▪ Multiply/Divide by powers of 10	6
	Assessment and Revision	▪	6
20	Investigating	▪ Houses Investigation	6
21	Map Me	▪ Graphs ▪ Sequences	6