

Year 7 Topic Overview and assessments

Week	Topic	Assessment Learning Landmark
1	Baseline assessments (x3)	LL1: Baseline assessments
2	Assessment response Multiplication methods Division methods	
3	Negative numbers including four operations and ordering Squares, roots and cubes Rules of indices	
4	Perimeter of basic and compound shapes Area of basic and compound shapes Area and circumference of circles	LL2: Homework sheet 2
5	Functional area and perimeter Surface area of cubes and cuboids Maths challenge practise Area and perimeter of sectors	
6	Volume of prisms Rounding to decimal places, significant figures & Estimation by rounding Inverse operations	
7	Multiplying and dividing with decimals Maths magic tricks	
Half Term		
8	Calculator skills Sequences - finding and using the nth term rule	
9	Graphs & representing data Drawing pie charts	LL3: Homework sheet 7
10	Mini-me models	
11	Averages and range (mean, median & mode) from a list Averages and range from ungrouped frequency tables Estimated mean	
12	Revision & assessment Problem solving	LL4: Test 1 (non-calculator)
13	Assessment response Divisibility tests Comparing averages Maths challenge	
14	Million pound project presentations Christmas activities	
Christmas		
15	Product of prime factors Factors and multiples including HCF and LCM & Venn diagrams	
16	Drawing & measuring angles Basic angle rules Angles in parallel lines	
17	Angles in parallel lines Problem solving & Maths challenge practise Angle proofs	LL5: Homework sheet 10
18	Metric & Imperial conversions	
19	Simplifying expressions by collecting like terms Expanding single and double brackets	
20	Substitution in to expressions and formulae Problem solving	
Half Term		
21	Maths challenge practise Compass constructions including perpendicular and angle bisectors	
22	Simplifying and equivalent fractions Improper fractions and mixed numbers & comparing fractions Adding and subtracting fractions	LL6: Mixed homework sheet 15
23	Multiplying and dividing fractions Proportion	

	Writing, simplifying and comparing parts of ratio	
24	Sharing in a ratio Revision	
25	Assessments Problem solving	LL7 &8: Spring exams (non-calculator & calculator)
26	Assessment response Easter activities	
Easter		
27	Solving basic equations Problem solving Solving equations with unknowns on both sides, including brackets	
28	Form and solve equations Reflections & Translations	
29	Enlargements Rotations Combined transformations	LL9: Homework sheet 19
30	Read and plot coordinates Plotting straight line graphs Maths challenge practise	
31	Revision and assessment Assessment response	LL10: Summer exam (non-calculator)
Half Term		
32	Real life graphs Fractions of amounts FDP conversions, & ordering FDP	
33	Percentages of amounts (non-calc and calc methods) Revision	
34	Assessment & response Introduction to probability	LL11: Summer exam (calculator)
35	Relative frequency & expected outcomes Sample space	
36	Properties of 2D shapes Problem solving	LL12: Homework sheet 21 (may be completed earlier)
37	Student designed board games	