

## Year 8 SOW 2019-20

SEPTEMBER		OCTOBER			NOVEMBER		DECEMBER		
<b>Weeks 2 – 5</b> <b>Unit 1 Number</b> Estimate answers. Use written methods for the four operations. Apply the four operations to negatives. Calculate using squares, cubes and roots. BIDMAS. Prime factors, HCF and LCM.		<b>Weeks 6 – 8</b> <b>Unit 2 Area and volume</b> Area of a triangle, compound shapes, parallelogram and trapezium. Volume and surface area of cubes and cuboids including mixed units. Nets and drawing on isometric paper. Plans and elevations.		Half Term Holiday	<b>Weeks 10 – 12</b> <b>Unit 3 Statistics, graphs and charts</b> Draw and interpret pie charts, stem and leaf diagrams and scattergraph. Use a frequency table and two way table. Compare data through averages and range. Recognise misleading graphs.		Weeks 13 - 14 Revision Lessons and Mid Term Exam	<b>Week 15 – 16</b> <b>Unit 4 Expressions and equations</b> Simplify algebraic powers. Expand brackets. Form an expression. Factorise. Solve equations.	
DECEMBER	JANUARY		FEBRUARY			MARCH			
Christmas Holiday	<b>Week 19 – 21</b> <b>Unit 5 Real life graphs</b> Draw and use a conversion graph, distance-time graph and line graph. Draw and interpret real life graphs from a range of sources.		<b>Weeks 22 – 24</b> <b>Unit 6 Decimals and ratio</b> Round to decimal places and significant figures. Order numbers, positive and negative. Place value calculations, calculate with decimals. Apply decimals to ratio and proportion. Write unit ratios		Half Term Holiday	<b>Weeks 26 – 30</b> <b>Unit 7 Lines and angles</b> Classify quadrilaterals by their properties. Identify alternate and corresponding angles. Interior and exterior angles of regular polygons.			
MARCH	APRIL		MAY			JUNE			
<b>Week 30</b> <b>Unit 7 lines and angles</b> Solve problems involving angles by setting up equations.	Easter Holiday	<b>Week 34 – 35</b> <b>Unit 8 Calculating with fractions</b> Order fractions. Apply the 4 operations. Convert between mixed and improper.	<b>Week 36 – 37</b> <b>Unit 9 Straight line graphs</b> Plot graphs and calculate the gradient. Plot and identify equation of a straight line	<b>Weeks 38</b> Revision for End of Year Mock Exams	Half Term Holiday	<b>Weeks 40-41</b> Revision for End of Year Mock Exams	<b>Week 42</b> End of Year Exam	<b>Weeks 43-44</b> <b>Unit 10 Percentages, decimals and fractions</b> Recall FDP equivalence. Recognise recurring and terminating decimals. Order fractions. Write one number as a percentage of another, apply percentage change.	
<b>1.5 Weeks Catch up time, Activity Week, Trips.</b>									