## Year 9 Higher SOW 2019-20

Week 2-3 Week 10 - 15   Product rule, wiltiplication and division of decimals, place value, estimating, LCM, HCF, prime factors, powers, roots and indices (inc. ratcion-sector), powers, roots and indices (inc. rule, wiltiplicates (inc. unknowns on both sides), substitution, formula, linear sequences including the sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns on both sides), substitution, formula, linear sequences (inc. unknowns), substitution, formula, linear sequences (i	SEPTEMBER			OCTOBER			NOVEMBER	DECEMBER			
Christmas Holiday Weeks 19 - 22 Unit 3 Interpreting & representing Data (including for grouped data) Two way tables, pie charts, line graphs for time series, stem and lead diagrams, frequency diagrams, frequency polygons, averages and range (inc. grouped data), catter graphs. Week 23- 24 Revision and Mid- Term Exam Half Term Holiday Weeks 26 - 29 Unit 4 Fractions, Ratio & Percentages Unit 4 Fractions, converting between FDP, recurring decimals, one quantity as a fraction of another, ratio notation, simplest form (inc 1:n), divide into ratio, compare ratios, fractions in ratio problems and Wide- ter graphs.   Veek 30-31 Unit 5 Angles & Trigonometry Angle notation, 8 properties of quadrilaterals. Week 34 - 35 Unit 5 Angles & trigonometry for sides and angles in right angled triangles (SOH Week 36- 37 Unit 6 Craphs and y intercept (y=mx+c), parallel and perpendicular lines, plot and interpret linear, quadratic and cubic graphs. Week 36- 37 Unit 6 Craphs (year Week 38 Half Term Holiday Half Term Holiday Weeks 41 Unit 6 Craphs Exam Unit 7 Area & Sufface ratio (year	Product rule, multiplicat estimating, LCM, HCF,	nber (Split betwee tion and division o prime factors, pow	of decimals, p wers, roots a	nd indices	Term	<b>Unit 2 Algebra</b> Algebraic indices, expanding brackets (inc. quadratics), factorising linear, solving linear equations (inc. unknowns on both sides), substitution, formulae, changing the subject of a formula, linear sequences including nth term, non-					
Holiday Data (including for grouped data) Two way tables, pie charts, line graphs for time series, stem and leaf diagrams, frequency diagrams, frequency polygons, averages and range (inc. grouped data), scatter graphs.24 Revision and Mid- Term ExamTerm Holiday Lessons and Mid- Term ExamUnit 4 Fractions, Ratio & Percentages All four operations with fractions, converting between FDP, recurring decimals, one quantity as a fraction of another, ratio notation, simplest form (inc 1:n), divide into ratio, compare ratios, fractions in ratio problems and vice versa, converting currencies & measures, direct proportion, % increase & decrease, one quantity as a % of another, reverse %.Week 30-31 Unit 5 Angles & Trigonometry Angle notation, 8 basic angle rules - (inc parallel lines), properties of quadrilaterals.Week 34 - 35 Trigonometry for sides and angles in polygons. Pythagoras theorem, basic theorem, basic<	DECEMBER	R JANUARY			FEBRUARY		MARCH				
MAYJUNEWeek 30-31 Unit 5 Angles & Trigonometry Angle notation, 8 basic angle rules - (inc parallel lines), properties of quadrilaterals.Week 34 - 35 Unit 5 Angles & Trigonometry Interior and exterior angles in polygons.Week 34 - 35 Unit 6 Angles & Trigonometry Interior and exterior angles in polygons.Week 36- 37 Unit 6 Graphs Finding the gradient and y intercept (y=mx+c), parallel interpret linear, quadratic and cubic graphs.Week 38 Half Term HolidayHalf Term HolidayWeeks 40 End of YearWeek 41 Unit 6 Graphs Draw and interpret DST graphs & AVT graphs, geometrical problems on co- ordinate axes.Weeks 42 - 44 Unit 7 Area & Volume0year (y=mx+c), parallel and perpendicular interpret linear, quadratic and cubic graphs.Week 38 Half Term HolidayHalf Term Holiday Half Term HolidayWeek 41 Unit 6 Graphs Draw and interpret DST graphs & AVT graphs, geometrical problems on co- ordinate axes.Weeks 42 - 44 Unit 7 Area & Do the or SD shapes, units of measure, area, surface area & volume - inc composite shapes, circles, spheres, cones, arcs and	Holiday Unit 3 Interpreting & representing Data (including for grouped data) Two way tables, pie charts, line graphs for time series, stem and leaf diagrams, frequency diagrams, frequency polygons, averages and range (inc. grouped data), scatter			24 Revision Lessons and Mid- Term	Term Holida	ay Al dec form and	<b>Unit 4 Fractions, Ratio &amp; Percentages</b> Il four operations with fractions, converting between FDP, recurring cimals, one quantity as a fraction of another, ratio notation, simplest (inc 1:n), divide into ratio, compare ratios, fractions in ratio problems d vice versa, converting currencies & measures, direct proportion, %				
Unit 5 Angles & Trigonometry Angle notation, 8 basic angle rules – (inc parallel lines), properties of quadrilaterals.Unit 5 Angles & Trigonometry Interior and exterior angles in polygons. Pythagoras theorem, basic trigonometry for sides and angles in right angled triangles (SOHUnit 6 Graphs Graphs and y intercept (y=mx+c), parallel and perpendicular lines, plot and interpret linear, graphs.Holiday End of Year ExamUnit 6 Graphs Draw and interpret DST graphs & AVT graphs, geometrical problems on co- ordinate axes.Unit 7 Area & Volume Properties of 2D & 3D shapes, units of measure, area, surface area & volume – inc composite shapes, circles, spheres, cones, arcs and				MAY			JUNE				
	Unit 5 Angles & Ho Trigonometry Angle notation, 8 basic angle rules – (inc parallel lines), properties of	oliday Unit 5 / Trigor Interior a angles in Pytha theore trigono sides and right triangle	Unit 5 Angles & Trigonometry Interior and exterior angles in polygons. Pythagoras theorem, basic trigonometry for sides and angles in right angled triangles (SOH		Week 36- 37 Unit 6 Graphs Finding the gradient and y intercept (y=mx+c), parallel and perpendicular lines, plot and interpret linear, quadratic and cubic			<b>40</b> End of Year	Unit 6 Graphs Draw and interpret DST graphs & AVT graphs, geometrical problems on co-	Unit 7 Area & Volume Properties of 2D & 3D shapes, units of measure, area, surface area & volume – inc composite shapes, circles, spheres, cones, arcs and	